

**FERO ENGINEERING**
ENVIRONMENTAL ENGINEERING & CONSULTING

February 13, 2013

Mr. David Young
California Regional Water Quality Control Board
Los Angeles Region
Site Cleanup Program
320 West 4th Street, Suite 200
Los Angeles, California 90013

Second Semi-Annual Groundwater Well Monitoring Report 2012

Continental Heat Treating

10643 Norwalk Boulevard, Santa Fe Springs, California
(Site Id. No. 204GW00, SCP No. 1057)

Dear Mr. Young:

Fero Environmental Engineering, Inc. (Fero) conducted the second semi-annual groundwater monitoring for 2012 at the subject Continental Heat Treating ("CHT") site on November 16, 2012. The CHT site is located to the south of the former Jalk Fee Property ("Jalk Fee") which has an active environmental case with the Regional Water Quality Control Board for releases of halogenated volatile organic compounds ("VOC"), including tetrachloroethylene ("PCE") and trichloroethylene ("TCE") on the Jalk Fee site. The groundwater monitoring event was coordinated with Cardno ERI ("Cardno"), Exxon/Mobil's consultant for their ongoing investigation on the Jalk Fee site to the north so that the groundwater samples were collected at both sites on the same day. During the sampling event, Fero monitored ten onsite wells (MW1, MW2, MW3, MW4, MW5s, MW5m, MW5d, MW6s, MW6m and MW6d). Fero incorporated the data collected by Cardno from thirteen of their near field upgradient wells (MW5, MW6a, MW6b, MW6c, MW7a, MW7b, MW7c, MW9a, MW9b, MW9c, MW10a, MW10b and MW10c) on the Jalk Fee site.

Site Description

The CHT site is located at 10643 Norwalk Boulevard, Santa Fe Springs, California 90670. It consists of an approximate 70,000 ft² rectangular parcel located on the west side of Norwalk Boulevard approximately 450 feet north of Florence Avenue. The parcel is surrounded by primarily industrial properties: Coast Aluminum and Architectural Inc. to the northwest, NHK Laboratories to the north, Oxyhealth LLC to the south, Excel Garden Products to the east across Norwalk Boulevard and a trophy warehouse/distribution tenant to the west. Improvements on the Site include a 20,000 ft² industrial building built in 1969 which is occupied by CHT. Recent construction activities at the CHT site included a 5,000 ft² addition added to the west end of the existing building, the face of the entire building was upgraded consistent with City of Industry requirements, and the remainder of the site was paved with concrete during 2011 and 2012. Figure 1 provides a plot of the Site.

CHT or its predecessor have occupied the site since the building was built in 1969 and they use the building to process metal parts with heat to perform carbon nitriding and nitriding on the metal surfaces. Although no longer in use, CHT used a PCE solvent degreaser in the approximate middle of the building from 1986 to 1995. Centec reported that prior investigations around the former degreaser and in the northwest corner of the CHT site identified concentrations of chlorinated organics.¹

Former occupants of the properties adjacent to the CHT site were Mobil “Jalk Fee” to the north and former Hathaway oil production to the south and west. Centec reported that Hathaway stored abandoned equipment proximate to the northwest corner of the CHT site and that the former Jalk Fee property was used for oil production and storage, as well as other uses, for several decades. Centec further indicated that significant soils and groundwater contamination had been detected on the former Jalk Fee property from at least 1990. Extremely high concentrations of PCE were reportedly detected within 6 feet of CHT’s northwestern fence and approximately 55 feet north of the fence. Mobil reportedly removed soil from VOC impacted areas of their site (locations indicated on Figures 1-9) , including a small excavation slightly north of CHT’s northwest corner.

According to a February 21, 1975 Santa Fe Springs Fire Department Permit, Hathaway operated a 10,000 gallon gasoline underground storage tank (“UST”), a 5,000 gallon diesel UST and a 5,000 gallon solvent UST on its property to the south of the CHT site.

Ongoing soils and groundwater investigations on the former Jalk Fee property indicate elevated concentrations of chlorinated organics and lesser concentrations of fuel hydrocarbons in both the soil and groundwater. The general groundwater flow direction reported by Cardno ERI was to the south toward the CHT site and therefore the organics originating on the former Jalk Fee property represent a significant threat to the CHT site.²

Cardno confirmed that oil production facilities occupied the former Jalk Fee property from the 1920’s to 1990 when such facilities were removed so the site could be redeveloped. Cardno further indicated that TRC Alton Geoscience (“TRC”) performed remediation at the Jalk Fee site along with an exposure assessment that suggested the site did not represent a significant threat to site occupation or to the underlying groundwater. The City of Santa Fe Springs reportedly did not hold the same opinion and reopened the Jalk Fee site for further investigations and evaluation.

Geology and Hydrogeology

The CHT site is located within the Santa Fe Springs Oil Field on the Santa Fe Springs Plain, which is part of the Montebello Forebay non-pressure area of the Central Basin. Groundwater is found

¹ Collins, Steven N., REA and Daniel R. Louks, R.G., *Phase II Site Investigation Report*, January 2002, Centec Engineering, Inc., 1601 Dove Street, Suite 100, Newport Beach, CA 92660

² Anderson, James and Andy Nelson, Revised Well Installation Report, Former ExxonMobil Jalk Fee Property, May 17, 2011, Cardno ERI, 4572 Telephone Road, Suite 916, Ventura, CA 93003

throughout the region under unconfined conditions in the Recent Alluvium and in the underlying Exposition Aquifer. Within the Santa Fe Springs Oil Field, the upper 100 feet of sediments consist predominantly of permeable sands, although the upper 15 feet of sediments (and at greater depths particularly inside the building on the Site) have a higher silt and clay content and lower permeability. Investigations on the CHT site indicate the underlying soils consist of inter-bedded layers of silt, sandy silt, sand and gravel from the surface to at least 170 feet below grade (“fbg”).

The first regional groundwater-bearing zone in the vicinity of the Site is the Exposition Aquifer, which is encountered at approximately 100 fbg. This aquifer ranges in thickness from 75 to 100 feet and is underlain by a 50 foot thick aquiclude, beneath which is the Gage Aquifer.³ The depth to groundwater during the last year of monitoring has ranged from approximately 88 to 91 feet below top of casing and the slope of the groundwater table has consistently indicated a flow direction of slightly west of south under a most recent gradient of approximately 0.0074 ft/ft.

Groundwater Well Installations and Sampling

Fero installed three groundwater monitoring wells on the CHT site during August 2010 as directed by the Regional Water Quality Control Board (“RWQCB”), May 5, 2010, *Requirements to Submit Technical Reports (California Water Code Section 13267), Continental Heat Treating 10643 Norwalk Boulevard, Santa Fe Springs, California (Site ID NO. 204GW00, SCP No. 1057)*. This document requested, “further delineation of the lateral and vertical distribution of impacted soil, soil gas, and groundwater on and offsite (if necessary)”. Therefore, Ferro obtained permits from the Los Angeles County Department of Public Health to construct three groundwater monitoring wells on the CHT site. BC2 Environmental Corporation was subsequently retained to install the wells during the period from August 3-5, 2010. Well MW1 was installed southwest of the onsite building near the southern property line in an anticipated down gradient groundwater flow direction, well MW2 was located near the northwestern corner of the CHT site, and well MW3 was located near the northeastern corner of the CHT site. Wells MW1 & MW2 were installed using a CME-75 drill rig fitted with 8 inch diameter hollow stem augers. Because of limitations due to overhead power lines and trees, well MW3 was installed with a limited access rig fitted with the same 8 inch diameter augers. Well locations are indicated on Figure 1.

The well borings were logged by a Ferro geologist and were visually classified in the field in accordance with the Unified Soil Classification System (USCS) and American Society for Testing and Materials (ASTM) which include evaluations of moisture content, consistency, texture, and soil characteristics. The soils generally consisted of sands and silts. Soil samples were obtained at five foot intervals to a depth of 95 feet in all borings. Groundwater was encountered at a depth of approximately 98 feet in the well borings.

The monitoring wells were constructed of 2 inch diameter Schedule 40 PVC casing to a depth of 120 feet below grade (fbg) with a 30 foot screened interval. The screen consisted of 0.020 inch slotted pipe and the filter pack in the annular space to approximately 2 foot above the screened section

³ California Department of Water Resources. 1961. *Groundwater Geology of the Coastal Plain of Los Angeles County, Idealized Geologic Sections M-M’-M” and N-N’*.

consisted of #3 Monterey sand. Four to five feet of hydrated bentonite chips were placed on top of the sand pack and the annulus from the bentonite seal to approximately 1 fbg was filled (tremie method) with Portland type III cement slurry and the installations were completed at grade with concrete and a traffic-rated well vault.

The well casings were surveyed on August 10, 2010 with respect to Mean Sea Level and proper lateral controls by Dulin & Boynton. The well survey report is included in Attachment A.

On August 9, 2010, each of the wells were subsequently developed using a Smeal development rig using a decontaminated suction bailer, a surging assembly and well pump until water flowed unhindered through the well screens of each well and the development water appeared free of soil fines. On August 20, 2010, after the wells had time to stabilize, the depth to the water surface in each well was measured with electronic gauging equipment which allows an accuracy of 0.01 feet.

Monitoring well MW4 was installed inside the CHT building proximate to the former degreaser location on October 24 & 25, 2011 at the location indicated on Figure 1. The boring was conducted to 120 fbg with a limited access CME 75 (because of overhead restrictions). Consistent with the RWQCB conditional approval, the boring was finished as a groundwater monitoring/VES well. A pilot hole was drilled with 8" augers followed by 10" augers to set the well. The well consists of a 4" PVC pipe with 0.020" slotted sections from 41.5 to 116.5 fbg. The boring annulus was filled to approximately 1 foot above the slotted section of the well with #3 Monterey sand. The space above the filter pack was filled with hydrated bentonite chips to 35 fbg and the annulus was filled from 35 fbg to approximately 1 fbg with neat cement, consistent with County of Los Angeles requirements. The well installation was finished at grade with a traffic rated road vault which was concreted in place. The well was installed consistent with a permit from the County. A well schedule is included as Table 1.

Groundwater monitoring using all of the CHT site wells (MW1-4) was first conducted on December 23, 2011. Initial attempts to develop MW4 with a bailer and stainless steel pump were not as successful as hoped so the first sample collected from MW4 on December 23, 2011 was very turbid. Additional development occurred on January 10, 2012 which removed considerably more fines using a swab disc and suction bailer. A sample was collected following development and additional purging and those data were reported in a January 13, 2012 monitoring report to the RWQCB. A second round of groundwater monitoring was conducted on May 3, 2012. That monitoring event was the subject of Fero's, *First Semi-Annual Groundwater Well Monitoring Report 2012, **Continental Heat Treating**, 10643 Norwalk Boulevard, Santa Fe Springs, California, (Site Id. No. 204GW00, SCP No. 1057)*, dated August 13, 2012.

During the sampling event, Fero gauged the elevation of groundwater in the four wells on the site (MW1-MW4) as indicated above. Elevation changes at the CHT site due to construction at the time required modifications in at least one of the well casings so a new well survey was conducted on December 14, 2011 to tie the modified wellheads together to vertical and lateral controls. Elevation gauging data and survey modifications are indicated in Table 2.

Additional Well Installations and Sampling

Fero conducted additional well installations at the CHT site consistent with Fero's, November 15, 2011, *Soils Investigation Report and Groundwater Well Installation Work Plan* ("Workplan"), with the Regional Water Quality Control Board – Los Angeles Region's, *Requirement to Submit Additional Technical Reports and Approval of Work Plan for Additional Groundwater Investigation Pursuant to California Water Code Section 13267 Order* ("Directive"), dated January 23, 2012 and with the subsurface investigation portion of the RWQCB's, *Approval of Work Plan for Additional Subsurface Investigation and Indoor Air Sampling Pursuant to California Water Code Section 13267 Order* ("Approval"). The RWQCB Directive approved the installation of groundwater monitoring wells discussed in Fero's Workplan and requested additional investigations "to delineate the vertical and lateral extent of the VOC plume in groundwater.

The well installations were completed and groundwater sampling was conducted in a coordinated effort with Cardno, ExxonMobil's consultant in connection with the former Jalk Fee property to the north. The sampling locations were additionally modified consistent with RWQCB discussions during an onsite meeting on January 12, 2012.

Consistent with the well installation approval in the Directive and with the Approval, two well clusters (MW5 and MW6) were installed at the CHT site. To remain consistent with the wells installed on the Jalk Fee property, Fero install all wells as single installations in separate boreholes and completed all of the wells with 4 inch PVC casings. The locations of the well clusters are indicated on Figure 1.

The well clusters were installed with either a CME-75 or CME-85 with one cluster along the northern property line and one along the southern property line as indicated on Figure 1. The shallow borings at each location were conducted to 110 fbg and soil samples were collected at 5 foot intervals starting at 5 fbg for lithologic logging. A pilot hole was drilled at each location with 8" augers followed by 10" augers to set the well casings. The wells consisted of 4" PVC pipe with 0.020" slotted sections. The southern well (MW5s) screen extended from 90 to 110 fbg. The northern water table well (MW6s) was installed with an extended screened interval from 20 to 110 fbg to allow for possible future use with a vapor extraction system. The boring annuli were filled to approximately 1 foot above the slotted section of the well with #3 Monterey sand and the space above the filter pack was filled with 4 to 5 feet of hydrated bentonite chips and the remaining annuli were filled to 1 fbg with neat cement, consistent with County of Los Angeles requirements. The well installations were finished at grade with a traffic rated road vault which were concreted in place. The well installations were permitted through the County of Los Angeles Department of Health Services.

In an effort to obtain consistent data with Cardno's proposal for the Jalk Fee site, the screened section of the deeper well casings at each location were installed from 160 to 170 fbg and the screen sections of the middle wells extended from 130 to 140 fbg. The annuli to approximately 1 foot above the screen at each well installation were filled with #3 sand. Approximately 5 feet of each annulus above the well screen pack was sealed with hydrated bentonite chips and the annulus above the bentonite chips to 1 foot below the surface will be filled with neat cement. All of the well locations were completed with well vaults. Table 1 provides a schedule of the well installations.

During installations, the middle depth wells proceeded as planned. Fero was able to collect soil samples to 140 fbg. The wells were set with the double pass installation technique described above. The deeper borings presented an issue related to sampling however. Heaving sands below approximately 140 fbg precluded collection of representative formation samples and caused the first of the deep wells (MW5d) to be installed after a separate third pass. Because of the difficulties with this installation, Fero decided to install the northern deep well (MW6d) with a single pass using plugged 10 inch augers and to install a casing with a pre-packed filter from 160 to 170 fbg. This allowed for the installation of a very effective monitoring well however, it did not allow for lithologic sampling below 140 feet.

The monitoring wells were developed during the three days of July 30, 2012 to August 1, 2012. Fero retained BC2 Environmental to develop the wells with a well swab, suction bailer and pump until the wells were free of fines and the turbidity was less than 10 ntu. Consistent with the Approval, Fero retained Dulin and Boynton to survey the new well locations on August 1, 2012. The survey data are provided in Attachment A. The wells were gauged on August 10, 2012. Table 2 summarizes the depth to groundwater and elevation data.

Groundwater Sampling

Prior to pumping any water from the wells, the depths to groundwater in the ten wells on the CHT site were measured on November 16, 2012. The depth gauging and water elevations in the wells are summarized in Table 2. The well locations are indicated on Figure 1.

The groundwater elevations in the water table wells, screened from 90 – 110 fbg were used along with those collected from the similarly screened Cardno wells to determine a generally planar surface which represents the local groundwater table and this surface was superimposed onto the base map (Figure 1). The soil type at the slotted section of MW4 is considerably different than the soils located at the screened depths of the other water table wells. The soils contained primarily silt and clay at MW4 and it was sandier at the other well locations. The change in soil may result in less communication with soil profiles at the other wells resulting in an apparent very slight mound at MW4. In addition to the slight anomaly in the elevation measurement at MW4, the groundwater elevation measurement taken at Cardno well MW5 was also anomalous. It was considerably lower than the other water table wells in the area resulting in a significant sink when contoured with the rest of the data. Accordingly, the elevation measured at Cardno well MW5 was not used in the contouring of the water table data. The resulting slope of the groundwater table indicates a flow direction generally to the south southwest under a gradient of approximately 0.0074 ft/ft.

Likewise the water elevation data from the middle wells, screened from 130 – 140 fbg and the deep wells, screened from 160 – 170 fbg were contoured to determine the respective piezometric surfaces for the middle and deep zones. The resultant contours for the middle well data are provided on Figure 2 and the contours for the deep wells are presented on Figure 3. The general flow direction of each of these deeper zones is to the south. The pressure gradients of the middle and deep zones are approximately 0.0099 ft/ft and 0.0067 ft/ft, respectively. The deeper water bearing zones appear to generally be under pressure with respect to the water table with the gradient being most pronounced in the area of Cardno's MW10 and CHT MW6 clusters at an upward gradient of approximately 0.022

ft/ft and least pronounced in the CHT MW5 cluster at an upward gradient of approximately 0.0003 ft/ft from deep to water table and a downward gradient of 0.0445 from water table to middle zone.

Following gauging and prior to sampling on November 16, 2012, CHT groundwater monitoring wells MW1-3, MW5s, MW5m, MW5d, MW6s, MW6m and MW6d were purged of between 25-70 gallons of water, the volume of which was based upon the volume of freestanding water in the wells and the observed stabilization of physical/chemical parameters during purging. The monitoring wells were purged with a Grundfos variable speed 120-volt AC powered two stage centrifugal Stainless Steel purge pump with discharge through 1/2 inch PVC and Teflon tubing until pH, color, conductivity, and temperature had stabilized. Groundwater was pumped from the monitoring wells at a rate of approximately 1 gallon per minute. Physical and chemical purge monitoring parameters were measured in the field at the discharge line of the pump. Well purging data are attached hereto as Attachment B.

Subsequent to purging each well, the pump rate was reduced to approximately 100 ml/min whereupon a representative sample of groundwater was collected from the discharge line using 40 ml. glass sample vials. Teflon lined caps were secured tightly onto the 40 ml vials and each was visually inspected to assure that zero headspace had been achieved. The sample vials containing groundwater from each well were immediately placed in an ice chest containing ice and transported for analysis to Enviro-Chem, Inc. in Pomona accompanied by appropriate Chain-of-Custody documentation.

Due to the difficulty of pumping MW4, it was bailed dry using a clean bailer (approximately 8 gallons), then a sample was collected using a new sampling bailer. As indicated above, Teflon lined caps were secured tightly onto the 40 ml vials and each was visually inspected to assure that zero headspace had been achieved. The sample vials containing groundwater from the well were immediately placed in an ice chest containing ice and transported at the end of the sampling day for analysis to Enviro-Chem, Inc. in Pomona accompanied by appropriate Chain-of-Custody documentation.

The groundwater samples were analyzed for Volatile Organic Compounds (VOCs) using EPA Method 8260B. Groundwater VOC analytical results from this and from previous events are summarized in Table 3. Selected organics concentrations are included on Figure 1. Lab analytical reports with associated chain-of-custody documentation are included in Attachment C.

Groundwater from the well purging activities was contained in DOT approved drums onsite until the water has been appropriately profiled and accepted by DeMenno Kerdoon in Compton, California for treatment. The approval is pending and should be completed for waste removal at the end of February 2013. The waste water will be hauled and treated as a non-hazardous waste.


The CHT and Cardno PCE and TCE data collected from this groundwater sampling event were contoured to generate iso-concentration contours for the respective water table, middle and deep well locations. These contours were superimposed onto the plot map in Figures 4-9. The base maps were modified to include the new well clusters installed by Cardno (MW9 and MW10 series). In addition, appropriate building footprints and former soil excavation locations on the Jalk Fee site have been added.

The PCE and TCE concentrations detected in the groundwater at the CHT site appear to be primarily associated with upgradient sources.

Except for the Cardno MW6 cluster on the Jalk Fee site, the PCE concentrations decreased with depth into the groundwater. Likewise, except for the Cardno MW6 and MW9 clusters on the Jalk Fee site, the TCE concentrations decreased with depth.

The next semi-annual sampling event will likely occur sometime during May 2013. Fero will again coordinate the sampling event with the Cardno ERI, consultants for the adjacent Jalk Fee site. Should you have any questions regarding the content of this Semi-Annual Groundwater Monitoring Report, please do not hesitate to call the undersigned at (714) 256-2737.

Respectfully,
Fero Environmental Engineering, Inc.


Rick L. Fero,
President

P.E. No. 43927/
Exp 06/30/13



RLF:jbp

[758wellmon1112]

cc

Mr. James Stull (via E-mail Only)

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Table 2
Summary of Groundwater Elevation
Continental Heat Treating
10643 Norwalk Boulevard, Santa Fe Springs, California
(Site Id. No. 204GW00, SCP No. 1057)

Well Number	Date	TOC Elevation (ft MSL)	Depth to Groundwater (ft)	Groundwater Elevation (ft MSL)
MW1	3/29/11	137.07	97.16	39.91
	6/15/11		94.50	42.57
	9/20/11		91.81	45.26
	12/23/11	137.08	90.13	46.95
	5/3/12		88.46	48.62
	8/10/12		88.71	48.37
	11/16/12		90.28	46.80
MW2	3/29/11	137.43	96.45	40.98
	6/15/11		93.74	43.69
	9/20/11		91.06	46.37
	12/23/11	138.04	90.05	47.99
	5/3/12		88.43	49.61
	8/10/12		88.65	49.39
	11/16/12		90.13	47.91
MW3	3/29/11	137.71	96.42	41.29
	6/15/11		93.94	43.77
	9/20/11		91.12	46.59
	12/23/11	137.03	89.43	47.60
	5/3/12		87.69	49.34
	8/10/12		87.80	49.23
	11/16/12		89.16	47.87
MW4	12/23/11	137.55	89.43	48.12
	5/3/12		87.69	49.86
	8/10/12		86.37	51.18
	11/16/12		89.25	48.30
MW5s	8/10/12	137.49	88.85	48.64
	11/16/12		90.23	47.26
MW5m	8/10/12	137.37	89.49	47.88
	11/16/12		91.00	46.37
MW5d	8/10/12	137.54	88.79	48.75
	11/16/12		90.26	47.28
MW6s	8/10/12	137.84	88.41	49.43
	11/16/12		89.89	47.95
MW6m	8/10/12	137.95	88.08	49.87
	11/16/12		89.68	48.27
MW6d	8/10/12	138.01	87.26	50.75
	11/16/12		88.78	49.23

Table 3
Summary of Groundwater Analyses
Continental Heat Treating
10643 Norwalk Boulevard, Santa Fe Springs, California
(Site Id. No. 204GW00, SCP No. 1057)
(µg/L)

Well	Date	Ben	Chl	1,4- DCB	1,1- DCA	cis-1,2- DCE	t-1,2- DCE	1,2- DCA	1,1- DCE	HCB	NAP	1,1,2,2- TCA	PCE	1,2,3- TCB	1,2,4- TCB	TCE	TFM	VC
MW1	8/20/10	ND	0.97	ND	17.3	12.2	ND	113	224	ND	ND	ND	184	ND	ND	154	2.79	5.96
	3/29/11	ND	1.02	ND	17.7	600	14.9	ND	184	ND	ND	ND	210	ND	ND	170	5.54	27.8
	6/15/11	ND	1.50	ND	14.1	85.1	2.06	ND	117	ND	ND	ND	228	ND	ND	167	5.51	3.13
	9/23/11	ND	4.20	ND	25.3	118	2.14	ND	191	ND	ND	ND	182	ND	ND	164	13.2	3.50
	12/23/11	ND	3.33	ND	16.3	147	1.92	2.66	85.3	ND	1.90	ND	201	ND	ND	164	6.74	1.51
	5/3/12	ND	6.15	ND	32.2	433	6.80	4.96	191	ND	ND	ND	196	ND	ND	224	13.6	10.0
	11/16/12	ND	5.98	ND	28.6	191	5.75	4.96	139	ND	ND	ND	197	ND	ND	158	6.24	11.0
MW2	8/20/10	ND	1.71	0.78	21.8	59.6	0.76	5.43	126	1.14	2.47	0.92	235	2.72	1.24	178	9.49	0.89
	3/29/11	ND	1.89	ND	22.8	55.1	ND	2.74	161	1.14	ND	ND	214	ND	ND	158	10.0	0.53
	6/15/11	ND	3.07	ND	24.2	85.3	1.53	4.83	149	ND	ND	ND	338	ND	ND	172	13.1	3.09
	9/23/11	ND	5.08	ND	28.1	100	2.09	5.88	177	ND	ND	ND	245	ND	ND	161	21.3	4.01
	12/23/11	ND	3.66	ND	18.3	53.0	0.65	2.69	77.6	NC	ND	ND	252	ND	ND	148	10/6	ND
	5/3/12	ND	8.72	ND	41.9	92.8	0.54	5.21	194	ND	ND	ND	177	ND	ND	163	24.2	ND
	11/16/12	ND	21.7	ND	59.7	160	6.61	11.6	369	ND	ND	ND	138	ND	ND	121	40.0	ND
MW3	8/20/10	4.50	ND	ND	6.19	38.9	4.13	ND	57.1	1.18	2.43	ND	56.9	3.26	1.29	160	1.22	ND
	3/29/11	3.17	ND	ND	11.7	49.0	4.41	ND	185	ND	ND	ND	82.2	ND	ND	200	4.75	3.78
	6/15/11	1.01	0.91	ND	12.1	41.8	11.2	ND	124	ND	ND	ND	151	ND	ND	149	5.26	1.71
	9/23/11	ND	1.30	ND	14.3	43.6	13.6	ND	146	ND	ND	ND	120	ND	ND	130	7.45	1.32
	12/23/11	ND	1.61	ND	9.57	32.6	8.33	ND	62.1	ND	ND	ND	143	ND	ND	133	5.33	ND
	5/3/12	ND	5.81	ND	25.4	77.8	15.7	0.65	190	ND	ND	ND	137	ND	ND	165	13.3	1.35
	11/16/12	3.59	4.82	ND	15.1	60.1	11.7	ND	104	ND	ND	ND	94	ND	ND	140	7.76	ND
MW4	12/23/11	ND	0.54	ND	3.61	172	5.47	ND	16.9	ND	3.05	ND	36.0	ND	ND	21.9	ND	8.20
	1/10/12	ND	ND	ND	5.08	62.2	2.88	ND	25.6	ND	3.22	ND	70.1	ND	ND	47.5	ND	3.51
	5/3/12	ND	2.29	ND	20.9	284	9.63	0.54	148	ND	ND	ND	93.0	ND	ND	90.3	3.51	18.5
	11/16/12	ND	10.0	ND	43.7	424	20.7	ND	308	ND	ND	ND	94.2	ND	ND	95.2	ND	66.7
MW5s	11/16/12	ND	4.73	ND	26.8	76.3	3.71	ND	163	ND	ND	ND	110	ND	ND	154	ND	2.36
MW5m	11/16/12	ND	4.32	ND	42.3	104	ND	8.69	448	ND	ND	ND	102	ND	ND	132	ND	ND
MW5d	11/16/12	ND	ND	ND	7.0	35.1	1.43	1.21	90.2	ND	ND	ND	9.42	ND	ND	44.4	ND	ND
MW6s	11/16/12	ND	12.3	ND	31.7	137	4.53	4.85	182	ND	ND	ND	195	ND	ND	153	17.4	8.73
MW6m	11/16/12	ND	6.34	ND	30.0	74.3	ND	7.90	195	ND	ND	ND	171	ND	ND	150	4.40	ND
MW6d	11/16/12	ND	ND	ND	12.7	68.2	1.09	3.79	166	ND	ND	ND	12.8	ND	ND	140	ND	ND

DL – detection limit, ND = Not Detected at DL, Ben - Benzene, Chl - Chloroform, DCB - Dichlorobenzene, DCA – Dichloroethane, DCE – Dichloroethene, HCB – Hexachlorobutadiene, NAP – Naphalene, TCA – Tetrachloroethane, PCE – Tetrachloroethene, TCB – Trichlorobenzene, TCE – Trichloroethene, TFM – Trichlorofluoromethane, VC – Vinyl Chloride

Table 3 (cont.)
Summary of Groundwater Analyses
Continental Heat Treating
10643 Norwalk Boulevard, Santa Fe Springs, California
(Site Id. No. 204GW00, SCP No. 1057)
(µg/L)

Well	Date	Toluene	Sec- BBen	Ethyl Ben	IPB	4 IPT	n PBen	1,2,4- TMB	Xylene	111TCA
MW1	12/23/11	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/3/12	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/16/12	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW2	12/23/11	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/3/12	ND	ND	ND	ND	ND	ND	ND	ND	1.14
	11/16/12	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW3	12/23/11	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/3/12	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/16/12	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW4	12/23/11	1.50	3.72	1.42	7.02	0.65	7.03	ND	ND	ND
	1/10/12	ND	2.71	1.61	6.04	ND	6.30	1.31	1.20	ND
	5/3/12	ND	2.18	1.41	4.14	ND	3.17	ND	ND	ND
	11/16/12	ND	2.18	1.41	4.14	ND	3.17	ND	ND	ND
MW5s	11/16/12	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW5m	11/16/12	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW5d	11/16/12	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW6s	11/16/12	ND	ND	ND	ND	ND	ND	ND	ND	0.88
MW6m	11/16/12	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW6d	11/16/12	ND	ND	ND	ND	ND	ND	ND	ND	ND

DL – detection limit, ND = Not Detected at DL, sec-BBen – sec-Butylbenzene, EthylBen – Ethylbenzene, IPB - Isopropylbenzene, 4 IPT – 4- Isopropyltoluene, n PBen – n-Propylbenzene, 1,2,4-Trimethylbenzene, 1,1,1 Trichloroethane

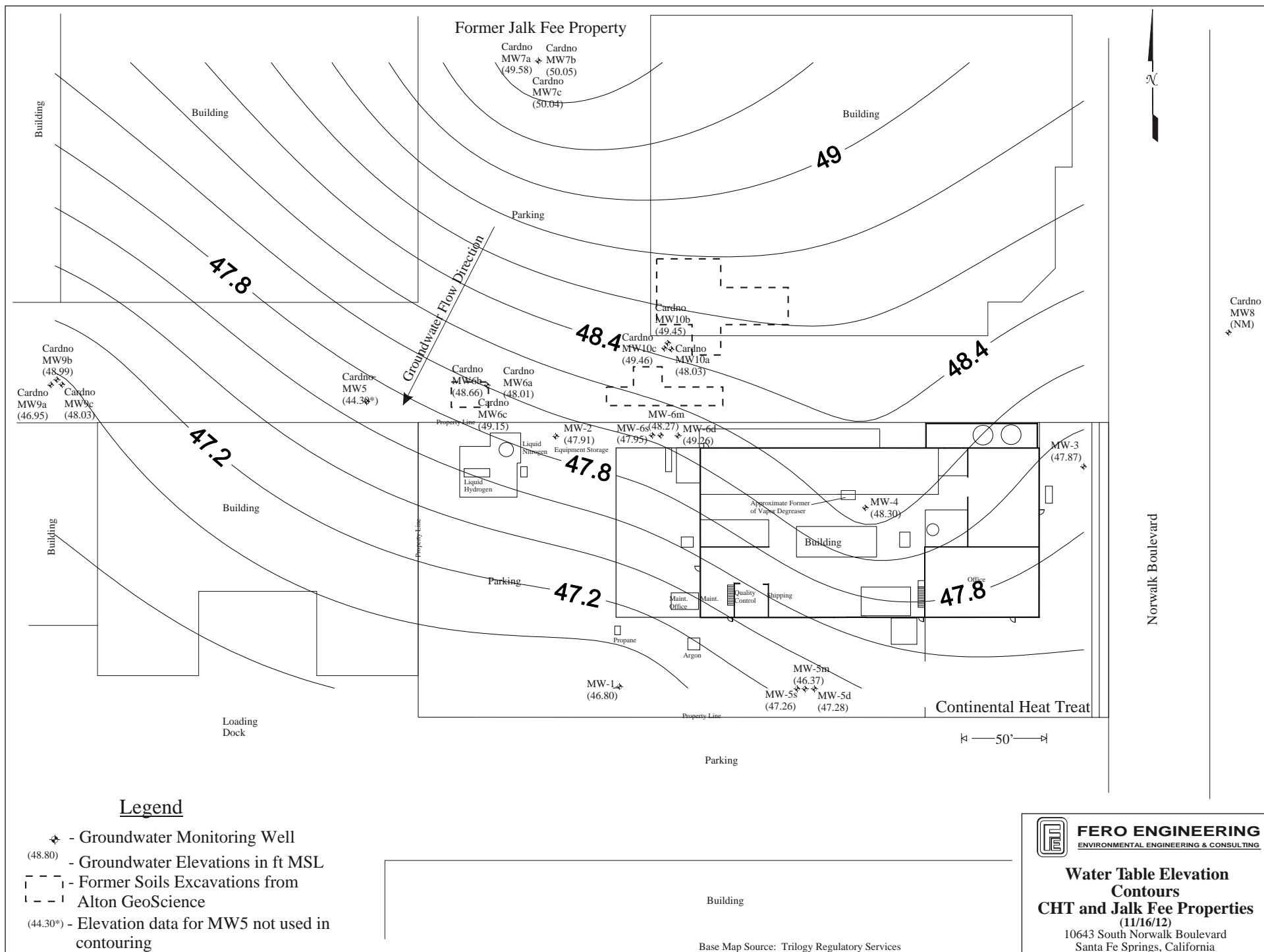
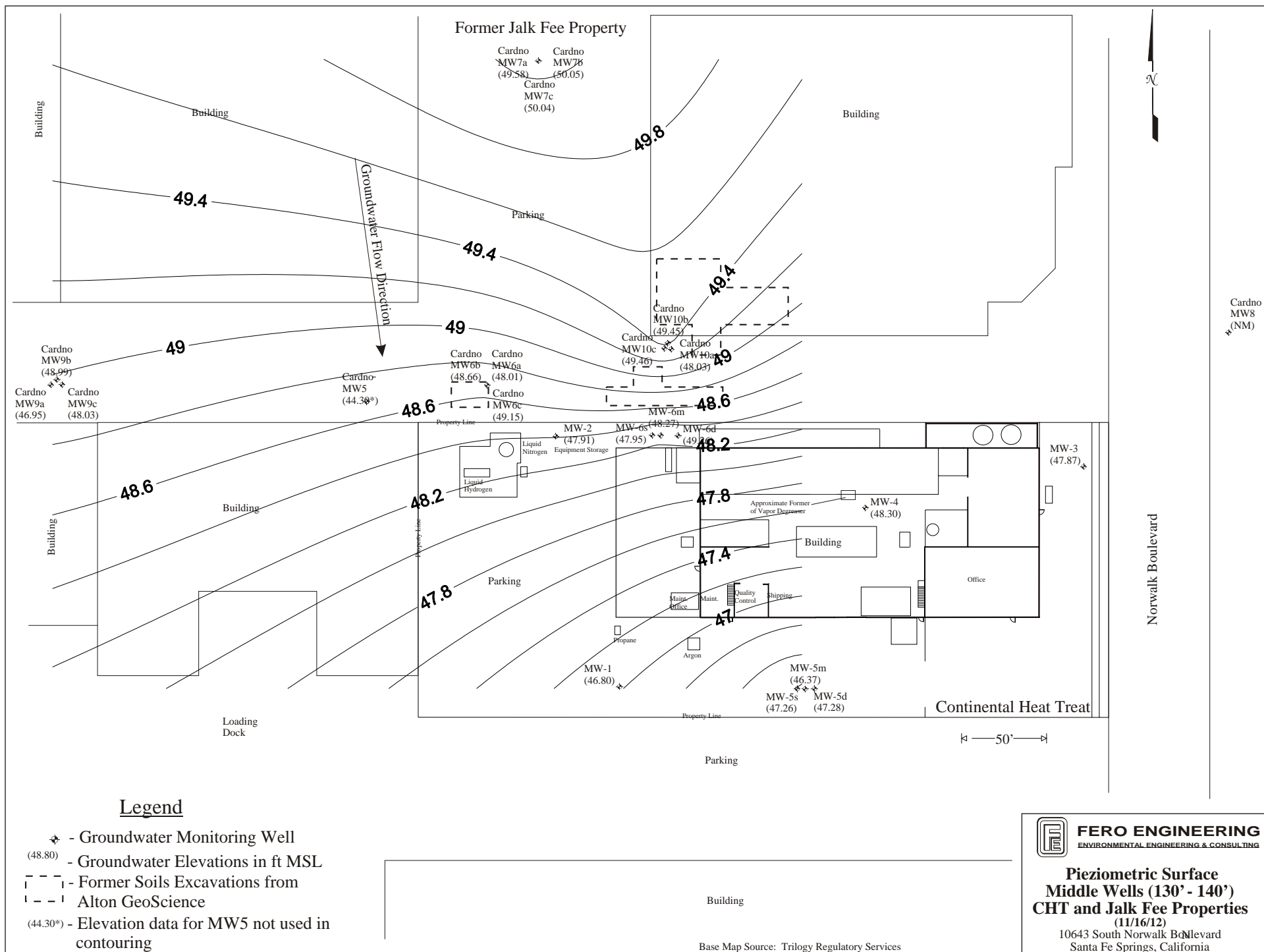
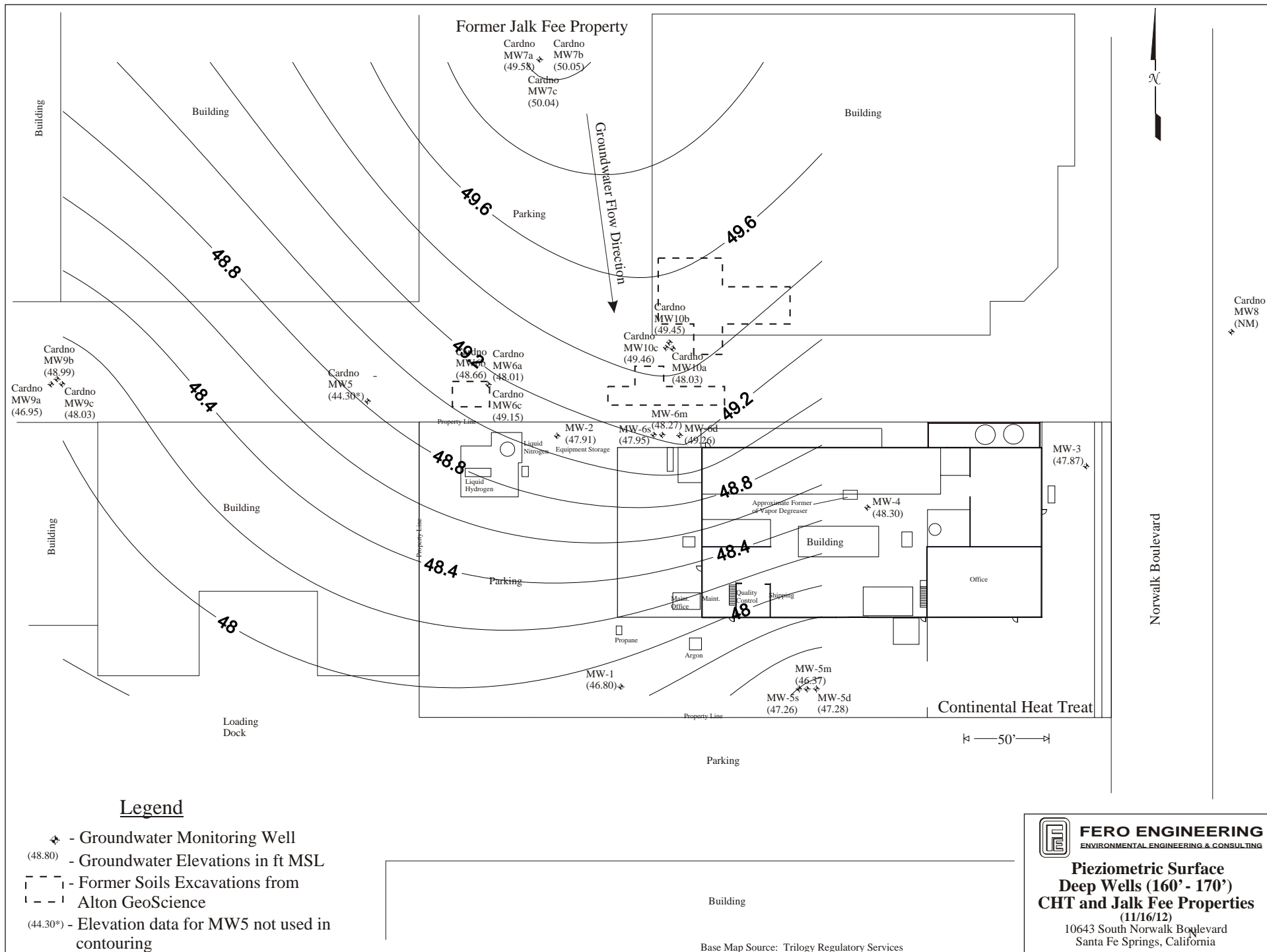
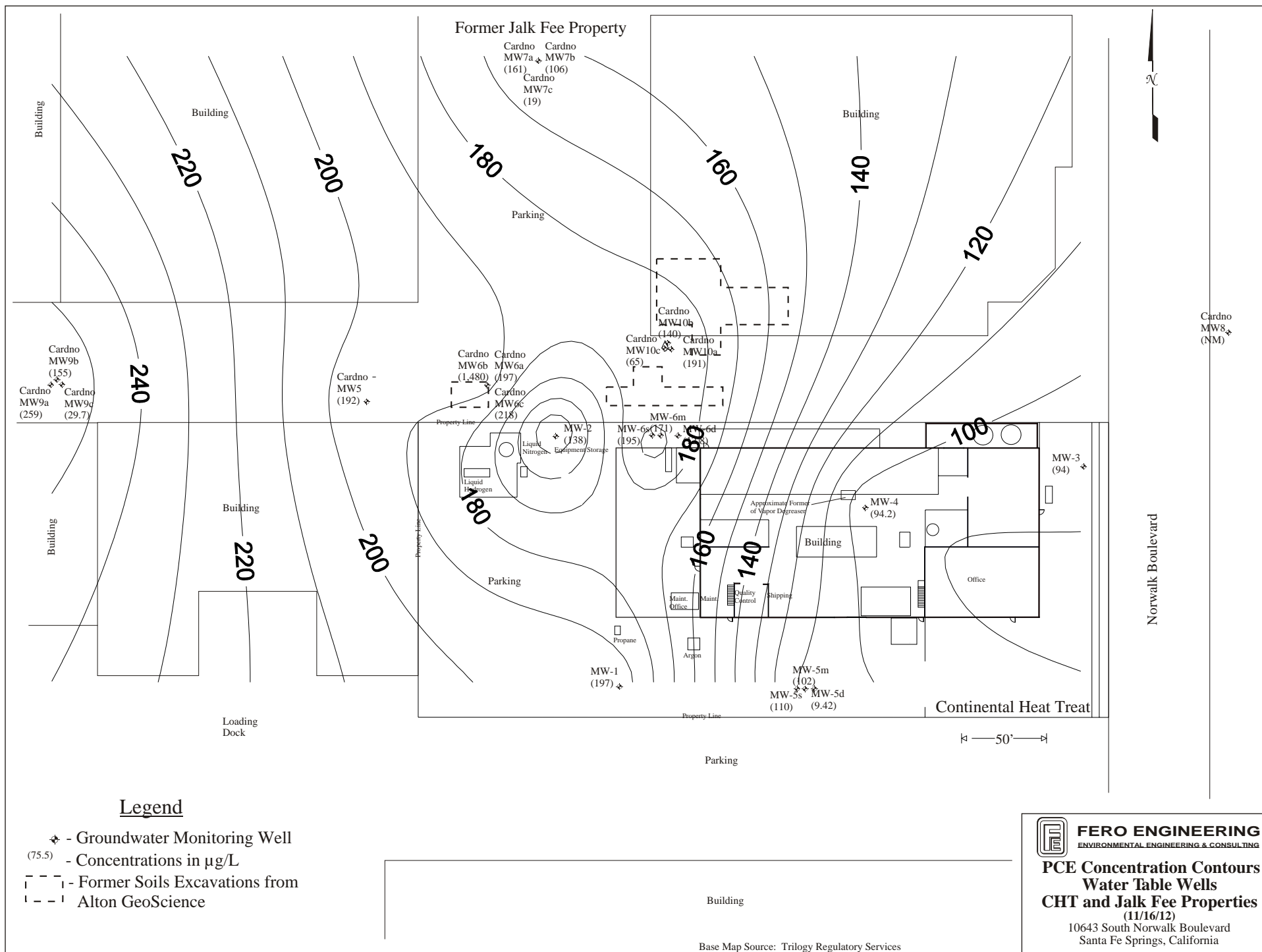
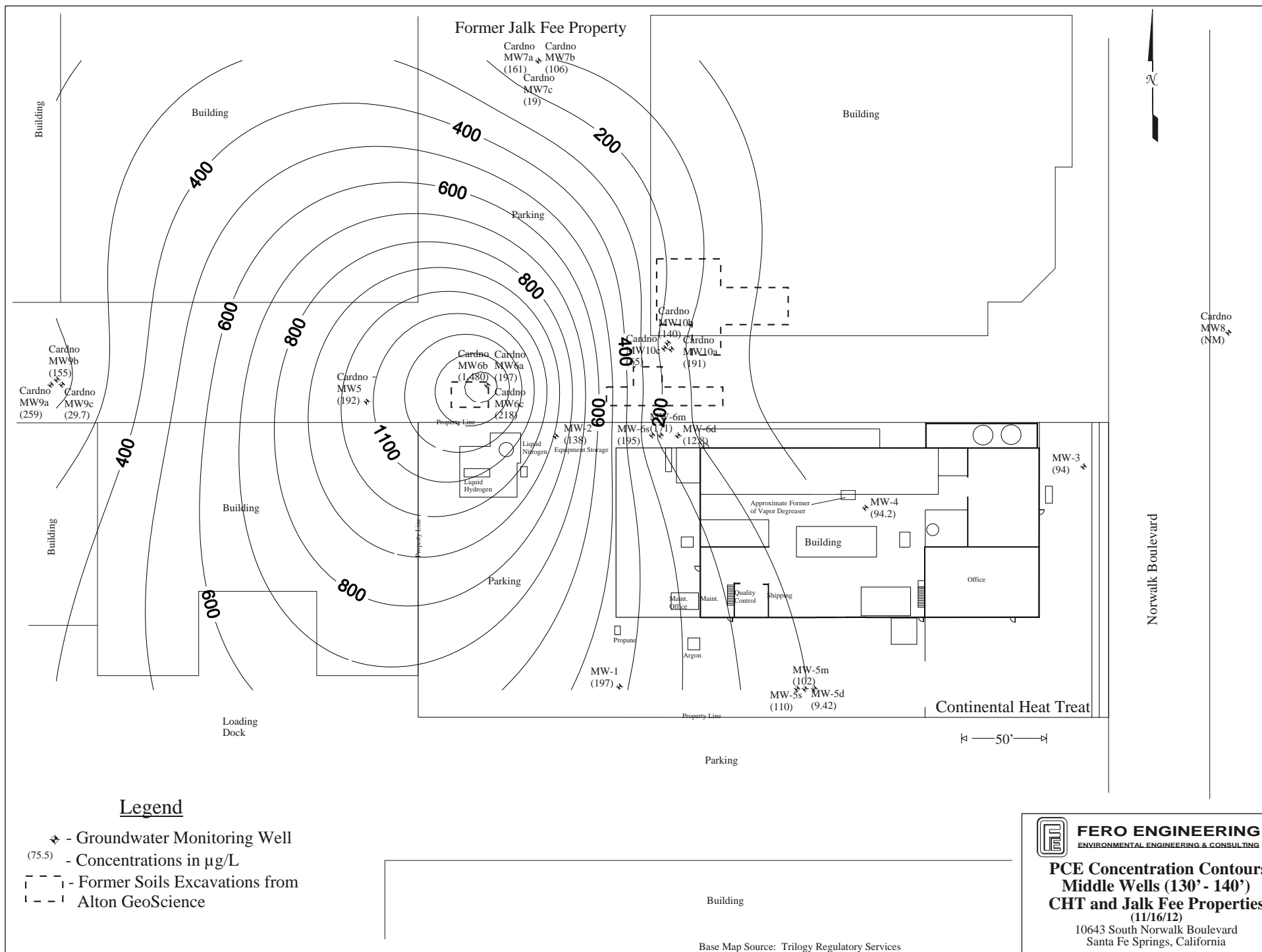


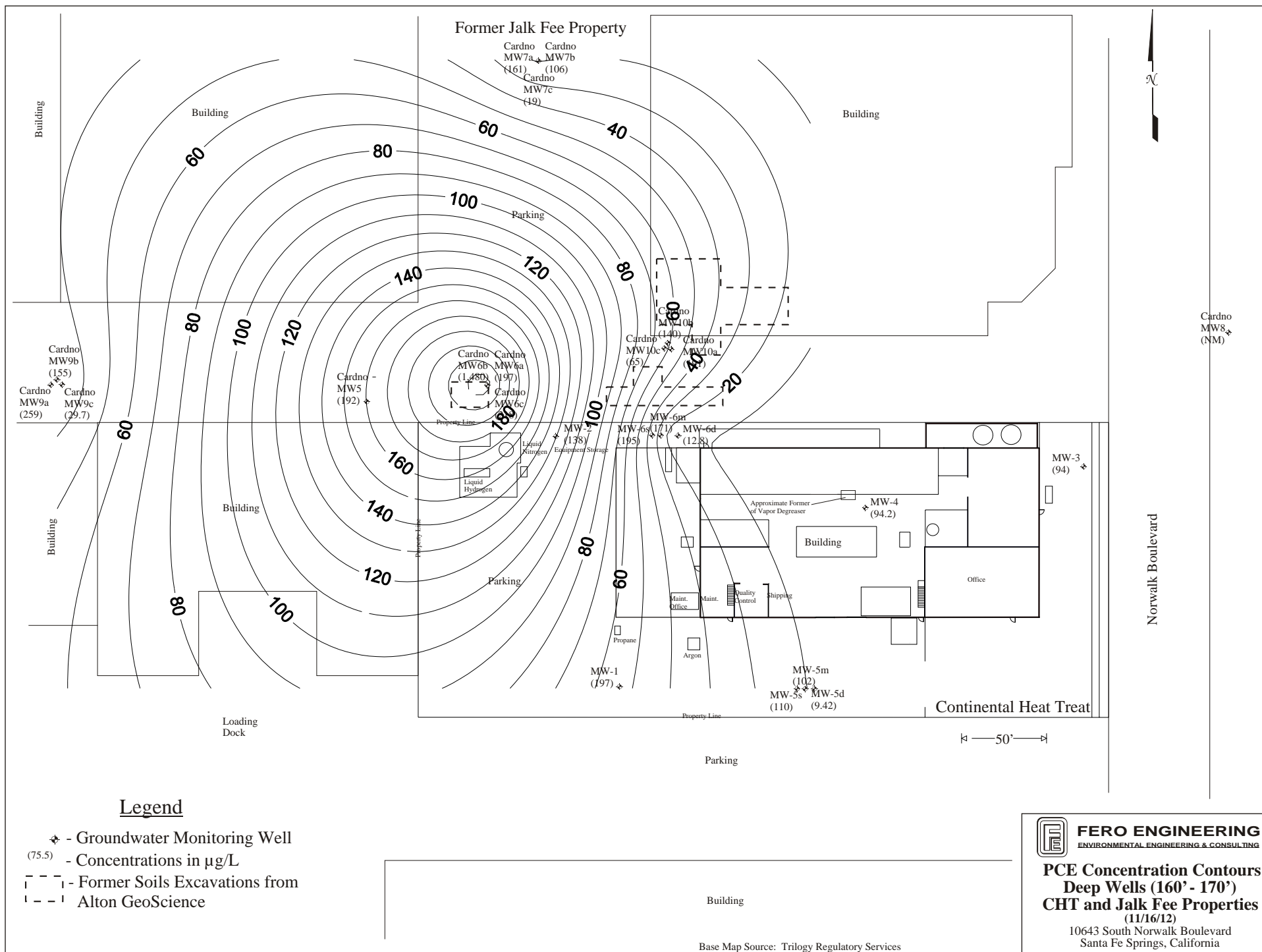
Figure 1

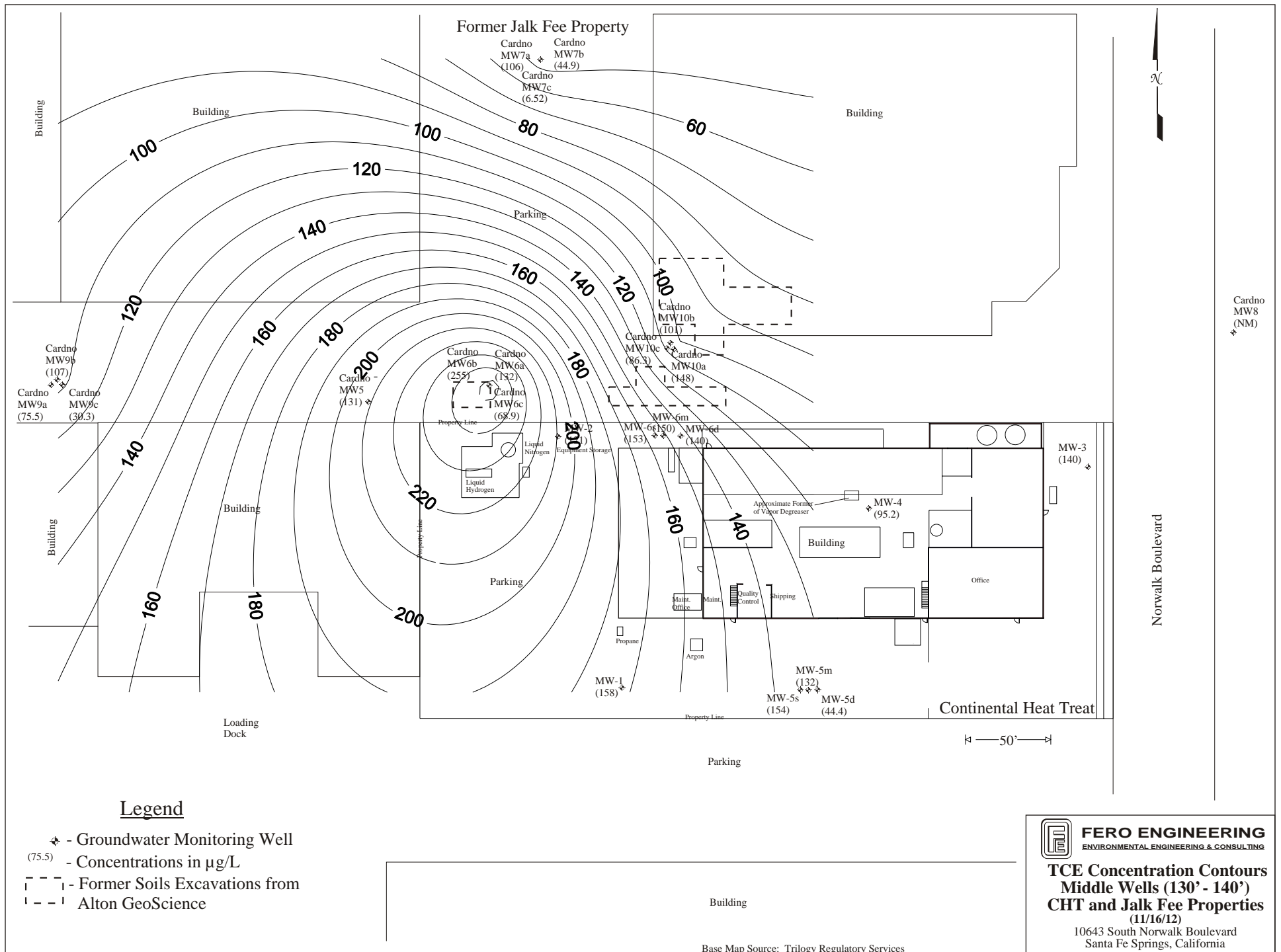


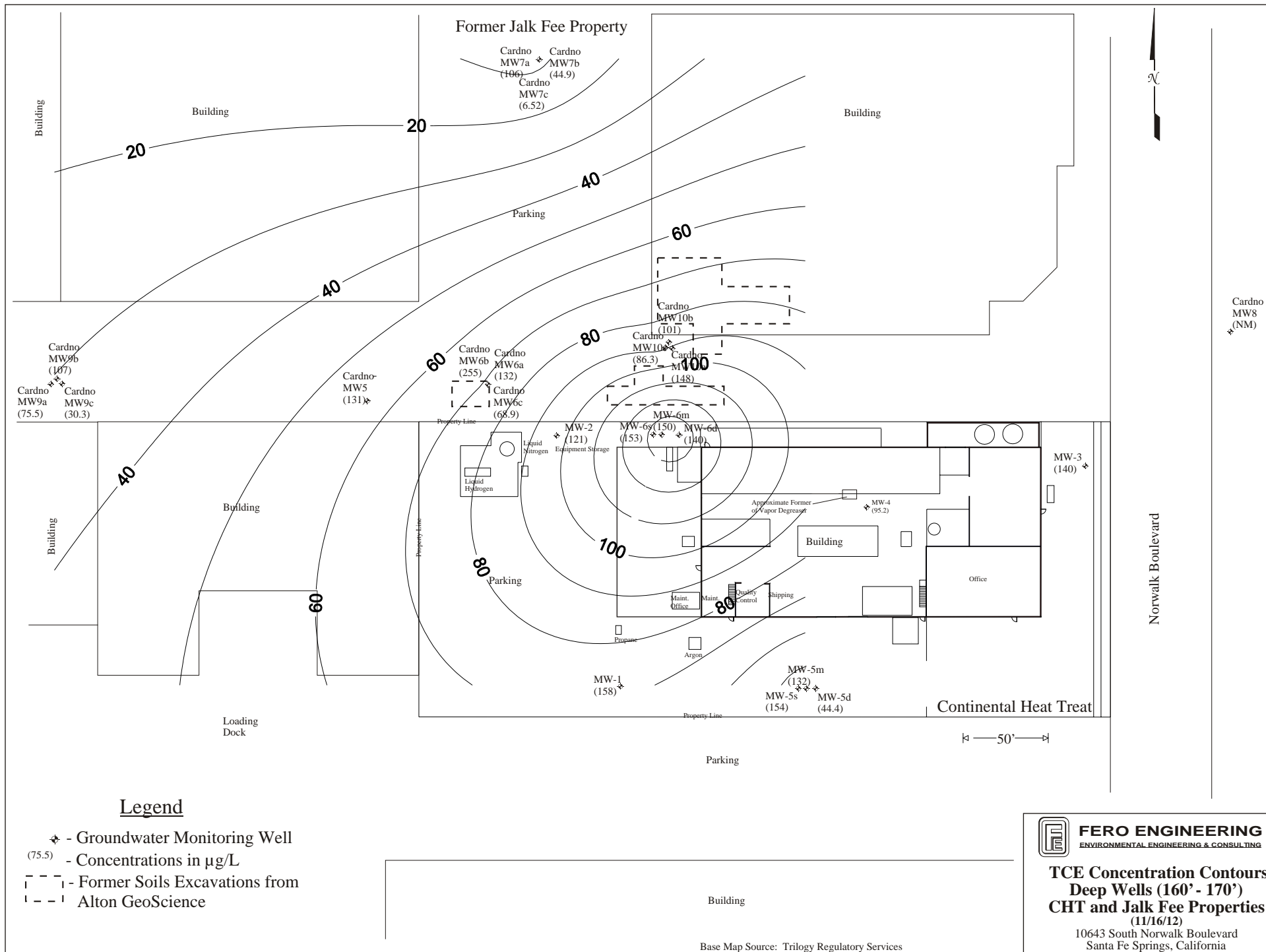












[758TCEdeepwell1112]

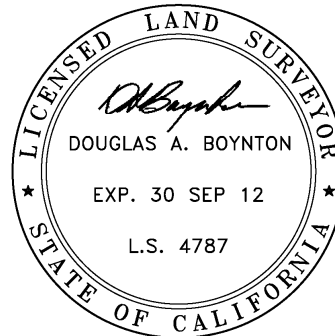
Figure 9

ATTACHMENT A

Well Survey Data
Dulin & Boynton

FERO
10643 NORWALK BLVD
SANTA FE SPRINGS, CA

<u>WELL</u>	<u>ELEV</u>	<u>DESC</u>	<u>NORTH</u>	<u>EAST</u>
MW-1	137.07	2" PVC (N)	1799357.8	6539284.4
MW-1	137.52	RIM		
MW-1	137.51	ASPHALT		
MW-2	137.43	2" PVC (N)	1799506.3	6539246.5
MW-2	137.89	RIM		
MW-2	137.88	ASPHALT		
MW-3	137.71	2" PVC (N)	1799488.3	6539559.7
MW-3	138.16	RIM		
MW-3	138.1	GROUND		



BENCHMARK:

VERTICAL DATUM NAVD88

COUNTY OF LOS ANGELES BM #Y9667, RDBM TAG IN N WALL C. B.
20' N/O BCR AT NW COR NORWALK BLVD AND FLORENCE AVE

2005 ELEV= 136.173 FEET NAVD88

HORIZONTAL DATUM NAD83, ZONE 5

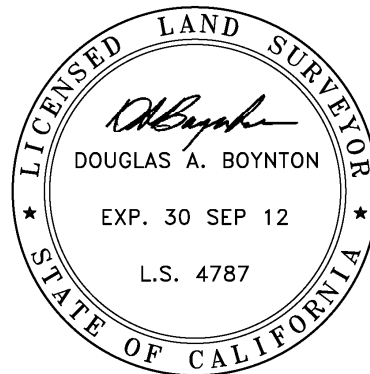
NGS PID STATIONS AI4489 AND AJ1841 EPOCH DATE 2000.35

[illegible]

[illegible]

FERO
10643 NORWALK BLVD
SANTA FE SPRINGS, CA

<u>WELL</u>	<u>ELEV</u>	<u>DESC</u>	<u>NORTH</u>	<u>EAST</u>
MW-1	137.08	2" PVC (N)	1799357.9	6539284.4
MW-1	137.55	RIM		
MW-1	137.56	CONCRETE		
MW-2	138.04	2" PVC (N)	1799506.2	6539246.5
MW-2	138.36	RIM		
MW-2	138.31	CONCRETE		
MW-3	137.73	2" PVC (N)	1799488.1	6539559.7
MW-3	138.17	RIM		
MW-3	138.1	GROUND		
MW-4	137.55	4" PVC (N)	1799464.0	6539430.3
MW-4	138.54	RIM		
MW-4	138.53	CONCRETE		



VERTICAL DATUM NAVD88

COUNTY OF LOS ANGELES BM #Y9667, BM TAG IN N WALL C. B.
20' N/O BCR AT NW COR NORWALK BLVD AND FLORENCE AVE

2005 ELEV= 136.173 FEET NAVD88

HORIZONTAL DATUM NAD83, ZONE 5

NGS PID STATIONS AI4489 AND AJ1841 EPOCH DATE 2000.35

[illegible]

[illegible]

GLOBAL_ID	FIELD_PT_NAME	FIELD_PT_CLASS	XY_SURVEY_DATE	LATITUDE	LONGITUDE	XY_METHOD	XY_DATUM	XY_ACC_VAL	XY_SURVEY_ORG	GPS_EQUIP_TYPE	XY_SURVEY_DESC	EFFECTIVE_DATE
	MW-5D		8/1/2012	33.9367072	-118.0734071	CGPS	NAD83	20	DOUGLAS BOYNTON PLS, LS4787	L399	NGS PID A14489 AND AJ1841 EPOCH DATE 2000.35	
	MW-5M		8/1/2012	33.9367069	-118.0734254	CGPS	NAD83	20	DOUGLAS BOYNTON PLS, LS4787	L399	NGS PID A14489 AND AJ1841 EPOCH DATE 2000.35	
	MW-5S		8/1/2012	33.9367073	-118.0734409	CGPS	NAD83	20	DOUGLAS BOYNTON PLS, LS4787	L399	NGS PID A14489 AND AJ1841 EPOCH DATE 2000.35	
	MW-6D		8/1/2012	33.9371196	-118.0736742	CGPS	NAD83	20	DOUGLAS BOYNTON PLS, LS4787	L399	NGS PID A14489 AND AJ1841 EPOCH DATE 2000.35	
	MW-6M		8/1/2012	33.9371202	-118.0737085	CGPS	NAD83	20	DOUGLAS BOYNTON PLS, LS4787	L399	NGS PID A14489 AND AJ1841 EPOCH DATE 2000.35	
	MW-6S		8/1/2012	33.9371205	-118.0737249	CGPS	NAD83	20	DOUGLAS BOYNTON PLS, LS4787	L399	NGS PID A14489 AND AJ1841 EPOCH DATE 2000.35	

GLOBAL_ID	FIELD_PT_NAME	ELEV_SURVEY_DATE	ELEVATION	ELEV_METHOD	ELEV_DATUM	ELEV_ACC_VAL	ELEV_SURVEY_ORG	RISER_HT	ELEV_DESC	EFFECTIVE_DATE
	MW-5D	8/1/2012	137.54	DIG	88	3	DOUGLAS BOYNTON PLS, LS4787	-0.26	LA COUNTY BM #Y9667 2005 ELEV= 136.173 FEET	
	MW-5M	8/1/2012	137.37	DIG	88	3	DOUGLAS BOYNTON PLS, LS4787	-0.41	LA COUNTY BM #Y9667 2005 ELEV= 136.173 FEET	
	MW-5S	8/1/2012	137.49	DIG	88	3	DOUGLAS BOYNTON PLS, LS4787	-0.29	LA COUNTY BM #Y9667 2005 ELEV= 136.173 FEET	
	MW-6D	8/1/2012	138.01	DIG	88	3	DOUGLAS BOYNTON PLS, LS4787	-0.20	LA COUNTY BM #Y9667 2005 ELEV= 136.173 FEET	
	MW-6M	8/1/2012	137.95	DIG	88	3	DOUGLAS BOYNTON PLS, LS4787	-0.22	LA COUNTY BM #Y9667 2005 ELEV= 136.173 FEET	
	MW-6S	8/1/2012	137.84	DIG	88	3	DOUGLAS BOYNTON PLS, LS4787	-0.40	LA COUNTY BM #Y9667 2005 ELEV= 136.173 FEET	

FERO
10643 NORWALK BLVD
SANTA FE SPRINGS, CA

<u>WELL</u>	<u>ELEV</u>	<u>DESC</u>	<u>NORTH</u>	<u>EAST</u>
MW-5D	137.54	4" PVC (N)	1799356.7	6539400.1
MW-5D	137.81	RIM		
MW-5D	137.80	CONCRETE		
MW-5M	137.37	4" PVC (N)	1799356.6	6539394.5
MW-5M	137.80	RIM		
MW-5M	137.78	CONCRETE		
MW-5S	137.49	4" PVC (N)	1799356.7	6539389.8
MW-5S	137.80	RIM		
MW-5S	137.78	CONCRETE		
MW-6D	138.01	4" PVC (N)	1799506.8	6539319.1
MW-6D	138.24	RIM		
MW-6D	138.21	CONCRETE		
MW-6M	137.95	4" PVC (N)	1799507.0	6539308.8
MW-6M	138.20	RIM		
MW-6M	138.17	CONCRETE		
MW-6S	137.84	4" PVC (N)	1799507.1	6539303.8
MW-6S	138.24	CONCRETE		

BENCHMARK:

VERTICAL DATUM NAVD88

COUNTY OF LOS ANGELES BM #Y9667, BM TAG IN N WALL C.B.
20' N/O BCR AT NW COR NORWALK BLVD AND FLORENCE AVE

2005 ELEV= 136.173 FEET NAVD88

HORIZONTAL DATUM NAD83, ZONE 5

NGS PID STATIONS AI4489 AND AJ1841 EPOCH DATE 2000.35

ATTACHMENT B

Well Purge Report

Groundwater Well Monitoring Data

Site: Continental Heat Treating

Job Number: 12-0758

Well I.D.: MW1

Date: 11/16/12

DTGW: 90.28'

Time Sampled: 4:40 pm

Purge Data

<u>Volume (gal.)</u>	<u>Temp (F)</u>	<u>pH</u>	<u>Conductance (µmho)</u>
5	71.4	6.0	1236
10	71.6	6.68	1270
15	72.6	6.65	1234
20	71.0	6.69	1253
25	71.0	6.67	1254

Groundwater Well Monitoring Data

Site: Continental Heat Treating

Job Number: 12-0758

Well I.D.: MW2

Date: 11/16/12

DTGW: 90.13'

Time Sampled: 3:45 pm

Purge Data

<u>Volume (gal.)</u>	<u>Temp (F)</u>	<u>pH</u>	<u>Conductance (µmho)</u>
5	74.0	6.75	1228
10	73.6	6.70	1223
15	72.9	6.71	1230
20	73.2	6.73	1230
25	73.2	6.72	1220
30	74.3	6.73	1231

Groundwater Well Monitoring Data

Site: Continental Heat Treating

Job Number: 12-0758

Well I.D.: MW3

Date: 11/16/12

DTGW: 89.16'

Time Sampled: 4:00 pm

Purge Data

<u>Volume (gal.)</u>	<u>Temp (F)</u>	<u>pH</u>	<u>Conductance (µmho)</u>
5	73.4	6.63	1251
10	73.2	6.62	1262
15	73.5	6.60	1262
20	73.1	6.63	1260
25	73.5	6.61	1261

Groundwater Well Monitoring Data

Site:	Continental Heat Treating	Job Number:	12-0758
Well I.D.:	MW5s	Date:	11/16/12
DTGW:	90.23'	Time Sampled:	1:00 pm

Purge Data

<u>Volume (gal.)</u>	<u>Temp (F)</u>	<u>pH</u>	<u>Conductance (µmho)</u>
5	73.4	6.76	1286
10	73.5	6.71	1293
15	74.4	6.73	1335
20	74.2	6.74	1323
25	73.4	6.74	1305
30	73.3	6.74	1310

Groundwater Well Monitoring Data

Site:	Continental Heat Treating	Job Number:	12-0758
Well I.D.:	MW5m	Date:	11/16/12
DTGW:	91.00'	Time Sampled:	12:35 pm

Purge Data

<u>Volume (gal.)</u>	<u>Temp (F)</u>	<u>pH</u>	<u>Conductance (µmho)</u>
5	73.8	7.05	1142
10	74.0	7.04	1160
15	73.6	7.00	1177
20	73.0	7.00	1189
25	73.1	7.00	1188
30	72.5	7.00	1184
35	73.0	6.96	1184

Groundwater Well Monitoring Data

Site:	Continental Heat Treating	Job Number:	12-0758
Well I.D.:	MW5d	Date:	11/16/12
DTGW:	90.26'	Time Sampled:	12:04 pm

Purge Data

<u>Volume (gal.)</u>	<u>Temp (F)</u>	<u>pH</u>	<u>Conductance (µmho)</u>
5	74.5	6.98	942
10	74.3	7.01	924
15	74.4	7.09	918
20	74.4	7.09	909
25	74.5	7.09	908
30	74.5	7.10	9.20
35	75.3	7.10	915
40	75.0	7.11	914
45	75.2	7.13	920
50	76.0	7.14	928
55	75.2	7.11	922
60	74.7	7.14	928
65	74.7	7.12	925
70	75.3	7.14	925

Groundwater Well Monitoring Data

Site:	Continental Heat Treating	Job Number:	12-0758
Well I.D.:	MW6s	Date:	11/16/12
DTGW:	89.89'	Time Sampled:	2:30 pm

Purge Data

<u>Volume (gal.)</u>	<u>Temp (F)</u>	<u>pH</u>	<u>Conductance (µmho)</u>
5	71.4	6.60	1214
10	72.2	6.64	1202
15	72.5	6.65	1230
20	72.3	6.65	1246
25	72.0	6.65	1225
30	71.9	6.63	1246

Groundwater Well Monitoring Data

Site:	Continental Heat Treating	Job Number:	12-0758
Well I.D.:	MW6m	Date:	11/16/12
DTGW:	89.68'	Time Sampled:	2:04 pm

Purge Data

<u>Volume (gal.)</u>	<u>Temp (F)</u>	<u>pH</u>	<u>Conductance (µmho)</u>
5	72.2	6.94	1150
10	72.3	6.94	1154
15	72.3	6.93	1179
20	71.8	6.94	1189
25	72.4	6.96	1163
30	72.6	6.95	1173
35	72.1	6.95	1162

Groundwater Well Monitoring Data

Site:	Continental Heat Treating	Job Number:	12-0758
Well I.D.:	MW6d	Date:	11/16/12
DTGW:	88.78'	Time Sampled:	1:40 pm

Purge Data

<u>Volume (gal.)</u>	<u>Temp (F)</u>	<u>pH</u>	<u>Conductance (µmho)</u>
5	73.4	7.04	546
10	73.2	7.15	521
15	73.4	7.14	530
20	73.0	7.17	556
25	72.9	7.16	525
30	72.7	7.16	509
35	72.5	7.16	530
40	72.3	7.17	510
45	72.7	7.17	516

ATTACHMENT C

Enviro-Chem Laboratory Report

Date: November 28, 2012

Mr. John Petersen
Fero Environmental Engineering, Inc.
431 W. Lambert Road, Suite 305
Brea, CA 92821
Tel (714) 256-2737 Fax (714) 256-1505

Project: Continental Heat Treating / 12-758
Lab ID: 121119-1 to -10

Dear Mr. Petersen:

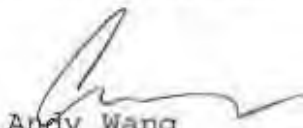
The **analytical results** for the water samples, received by our laboratory on November 19, 2012, are attached. All samples were received chilled, intact, and accompanying chain of custody record.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,



Curtis Desilets
Vice President/Program Manager



Andy Wang
Laboratory Manager

LABORATORY REPORT FORM

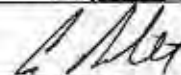
LABORATORY NAME: ENVIRO-CHEM, INC.

ADDRESS: 1214 E. LEXINGTON AVE., POMONA, CA 91766

LABORATORY CERTIFICATION

(ELAP) No.: 1555 EXPIRATION DATE: 06/30/2013

LABORATORY DIRECTOR'S NAME: CURTIS DESILETS

LABORATORY'S DIRECTOR SIGNATURE: 

CLIENT: **Fero Environmental Engineering, Inc.**
431 W. Lambert Road, Suite 305
Brea, CA 92821
Tel (714) 256-2737 Fax (714) 256-1505

PROJECT: Continental Heat Treating / 12-758

ANALYTICAL METHODS: EPA 5030B/8260B (VOCs)

SAMPLING DATE(S): 11/16/12 DATE RECEIVED: 11/19/12

DATE REPORTED: 11/28/12 SAMPLE MATRIX: WATER

EXTRACTION METHOD: SEE ATTACHMENTS

EXTRACTION MATERIAL: PER THE METHODS

CHAIN OF CUSTODY RECEIVED: (YES) NO

---- SAMPLE HEADSPACE DESCRIPTION (%): 0 %

---- SAMPLE CONTAINER MATERIAL: 40 ML VOA VIALS (2 each)

Enviro - Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

METHOD: EPA 8260B MATRIX: WATER REPORTING UNIT: µG/L (PPB)
PAGE: 1 OF 3 PAGES PROJECT: Continental Heat Treating / 12-758

CUSTOMER: Fero Environmental Engineering, Inc.
431 W. Lambert Road, Suite 305
Brea, CA 92821
Tel (714) 256-2737 Fax (714) 256-1505

DATE SAMPLED: 11/16/12

DATE RECEIVED: 11/19/12

DATE ANALYZED 11/26/12
DATE EXTRACTED 11/26/12
LAB SAMPLE I.D. 121119-1
CLIENT SAMPLE I.D. MW1
EXTRACTION SOLVENT HELIUM GAS/WATER
EXTRACTION METHOD EPA 5030B
DILUTION FACTOR (DF) NONE (15 MLs PURGED)

COMPOUND	CRDL	MB	RESULT
ACETONE	2.0	ND	ND
BENZENE	0.5	ND	ND
BROMOBENZENE	0.5	ND	ND
BROMOCHLOROMETHANE	0.5	ND	ND
BROMODICHLOROMETHANE	0.5	ND	ND
BROMOFORM	0.5	ND	ND
BROMOMETHANE	0.5	ND	ND
2-BUTANONE (MEK)	2.0	ND	ND
N-BUTYLBENZENE	0.5	ND	ND
SEC-BUTYLBENZENE	0.5	ND	ND
TERT-BUTYLBENZENE	0.5	ND	ND
CARBON DISULFIDE	2.0	ND	ND
CARBON TETRACHLORIDE	0.5	ND	ND
CHLOROBENZENE	0.5	ND	ND
CHLOROETHANE	0.5	ND	ND
CHLOROFORM	0.5	ND	5.98
CHLOROMETHANE	0.5	ND	ND
2-CHLOROTOLUENE	0.5	ND	ND
4-CHLOROTOLUENE	0.5	ND	ND
DIBROMOCHLOROMETHANE	0.5	ND	ND
1,2-DIBROMO-3-CHLOROPROPANE	0.5	ND	ND
1,2-DIBROMOMETHANE	0.5	ND	ND
DIBROMOMETHANE	0.5	ND	ND
1,2-DICHLOROBENZENE	0.5	ND	ND
1,3-DICHLOROBENZENE	0.5	ND	ND
1,4-DICHLOROBENZENE	0.5	ND	ND

- CONTINUED -

LABORATORY REPORT

METHOD: EPA 8260B MATRIX: WATER REPORTING UNIT: UG/L (PPB)
PAGE: 2 OF 3 PAGES PROJECT: Continental Heat Treating / 12-758

CUSTOMER: Fero Environmental Engineering, Inc.
431 W. Lambert Road, Suite 305
Brea, CA 92821
Tel (714) 256-2737 Fax (714) 256-1505

DATE SAMPLED: 11/16/12

DATE RECEIVED: 11/19/12

DATE ANALYZED 11/26/12
DATE EXTRACTED 11/26/12
LAB SAMPLE I.D. 121119-1
CLIENT SAMPLE I.D. MW1
EXTRACTION SOLVENT HELIUM GAS/WATER
EXTRACTION METHOD EPA 5030B
DILUTION FACTOR (DF) NONE (15 MLs PURGED)

COMPOUND	CRDL	MB	RESULT
DICHLORODIFLUOROMETHANE	0.5	ND	ND
1,1-DICHLOROETHANE	0.5	ND	28.6
CIS-1,2-DICHLOROETHENE	0.5	ND	191
TRANS-1,2-DICHLOROETHENE	0.5	ND	5.75
1,2-DICHLOROPROPANE	0.5	ND	ND
1,2-DICHLOROETHANE	0.5	ND	4.96
1,1-DICHLOROETHENE	0.5	ND	139
1,3-DICHLOROPROPANE	0.5	ND	ND
2,2-DICHLOROPROPANE	0.5	ND	ND
1,2-DICHLOROPROPENE	0.5	ND	ND
CIS-1,3-DICHLOROPROPENE	0.5	ND	ND
TRANS-1,3-DICHLOROPROPENE	0.5	ND	ND
ETHYLBENZENE	0.5	ND	ND
2-HEXANONE	2.0	ND	ND
HEXACHLOROBUTADIENE	0.5	ND	ND
IODOMETHANE	0.5	ND	ND
ISOPROPYLBENZENE	0.5	ND	ND
4-ISOPROPYLTOLUENE	0.5	ND	ND
4-METHYL-2-PENTANONE (MIBK)	2.0	ND	ND
METHYL tert-BUTYL ETHER	0.5	ND	ND
METHYLENE CHLORIDE	2.0	ND	ND
NAPHTHALENE	0.5	ND	ND
N-PROPYLBENZENE	0.5	ND	ND
STYRENE	0.5	ND	ND
1,1,1,2-TETRACHLOROETHANE	0.5	ND	ND

CONTINUED

LABORATORY REPORT

METHOD: EPA 8260B MATRIX: WATER REPORTING UNIT: UG/L (PPB)
PAGE: 3 OF 3 PAGES PROJECT: Continental Heat Treating / 12-758

CUSTOMER: Fero Environmental Engineering, Inc.
431 W. Lambert Road, Suite 305
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DATE ANALYZED	11/26/12		
DATE EXTRACTED	11/26/12		
LAB SAMPLE I.D.	121119-1		
CLIENT SAMPLE I.D.	MW1		
EXTRACTION SOLVENT	HELIUM GAS/WATER		
EXTRACTION METHOD	EPA 5030B		
DILUTION FACTOR (DF)	NONE (15 MLs PURGED)		
COMPOUND	CRDL	MB	RESULT
1,1,2,2-TETRACHLOROETHANE	0.5	ND	ND
TETRACHLOROETHENE (PCE)	0.5	ND	197
TOLUENE	0.5	ND	ND
1,2,3-TRICHLOROBENZENE	0.5	ND	ND
1,2,4-TRICHLOROBENZENE	0.5	ND	ND
1,1,1-TRICHLOROETHANE	0.5	ND	ND
1,1,2-TRICHLOROETHANE	0.5	ND	ND
TRICHLOROMETHENE (TCE)	0.5	ND	158
TRICHLOROFLUOROMETHANE	0.5	ND	6.24
1,2,3-TRICHLOROPROPANE	0.5	ND	ND
1,2,4-TRIMETHYLBENZENE	0.5	ND	ND
1,3,5-TRIMETHYLBENZENE	0.5	ND	ND
VINYL CHLORIDE	0.5	ND	11.0
M,P-XYLENE	1.0	ND	ND
O-XYLENE	0.5	ND	ND

UG/L = MICROGRAM PER LITER = PPB

CRDL = CONTRACT REQUIRED DETECTION LIMIT

MB = METHOD BLANK

ND = NON DETECTED OR BELOW THE CRDL

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LABORATORY REPORT

METHOD: EPA 8260B MATRIX: WATER REPORTING UNIT: $\mu\text{G/L (PPB)}$
PAGE: 1 OF 3 PAGES PROJECT: Continental Heat Treating / 12-758

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DATE ANALYZED	11/27/12
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LAB SAMPLE I.D.	121119-2
CLIENT SAMPLE I.D.	MW2
EXTRACTION SOLVENT	HELIUM GAS/WATER
EXTRACTION METHOD	EPA 5030B
DILUTION FACTOR (DF)	5

COMPOUND	CRDL	MB	RESULT
ACETONE	2.0	ND	ND
BENZENE	0.5	ND	ND
BROMOBENZENE	0.5	ND	ND
BROMOCHLOROMETHANE	0.5	ND	ND
BROMODICHLOROMETHANE	0.5	ND	ND
BROMOFORM	0.5	ND	ND
BROMOMETHANE	0.5	ND	ND
2-BUTANONE (MEK)	2.0	ND	ND
N-BUTYLBENZENE	0.5	ND	ND
SEC-BUTYLBENZENE	0.5	ND	ND
TERT-BUTYLBENZENE	0.5	ND	ND
CARBON DISULFIDE	2.0	ND	ND
CARBON TETRACHLORIDE	0.5	ND	ND
CHLOROBENZENE	0.5	ND	ND
CHLOROETHANE	0.5	ND	ND
CHLOROFORM	0.5	ND	21.7
CHLOROMETHANE	0.5	ND	ND
2-CHLOROTOLUENE	0.5	ND	ND
4-CHLOROTOLUENE	0.5	ND	ND
DIBROMOCHLOROMETHANE	0.5	ND	ND
1,2-DIBROMO-3-CHLOROPROPANE	0.5	ND	ND
1,2-DIBROMOETHANE	0.5	ND	ND
DIBROMOMETHANE	0.5	ND	ND
1,2-DICHLOROBENZENE	0.5	ND	ND
1,3-DICHLOROBENZENE	0.5	ND	ND
1,4-DICHLOROBENZENE	0.5	ND	ND

- CONTINUED -

LABORATORY REPORT

METHOD: EPA 8260B MATRIX: WATER REPORTING UNIT: $\mu\text{G/L (PPB)}$
PAGE: 2 OF 3 PAGES PROJECT: Continental Heat Treating / 12-758

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LAB SAMPLE I.D.	121119-2		
CLIENT SAMPLE I.D.	MW2		
EXTRACTION SOLVENT	HELIUM GAS/WATER		
EXTRACTION METHOD	EPA 5030B		
DILUTION FACTOR (DF)	5		
COMPOUND	CRDL	MB	RESULT
DICHLORODIFLUOROMETHANE	0.5	ND	ND
1,1-DICHLOROETHANE	0.5	ND	59.7
CIS-1,2-DICHLOROETHENE	0.5	ND	160
TRANS-1,2-DICHLOROETHENE	0.5	ND	6.61
1,2-DICHLOROPROPANE	0.5	ND	ND
1,2-DICHLOROETHANE	0.5	ND	11.6
1,1-DICHLOROETHENE	0.5	ND	369
1,3-DICHLOROPROPANE	0.5	ND	ND
2,2-DICHLOROPROPANE	0.5	ND	ND
1,1-DICHLOROPROPENE	0.5	ND	ND
CIS-1,3-DICHLOROPROPENE	0.5	ND	ND
TRANS-1,3-DICHLOROPROPENE	0.5	ND	ND
ETHYLBENZENE	0.5	ND	ND
2-HEXANONE	2.0	ND	ND
HEXACHLOROBUTADIENE	0.5	ND	ND
IODOMETHANE	0.5	ND	ND
ISOPROPYLBENZENE	0.5	ND	ND
4-ISOPROPYLTOLUENE	0.5	ND	ND
4-METHYL-2-PENTANONE (MIBK)	2.0	ND	ND
METHYL tert-BUTYL ETHER	0.5	ND	ND
METHYLENE CHLORIDE	2.0	ND	ND
NAPHTHALENE	0.5	ND	ND
N-PROPYLBENZENE	0.5	ND	ND
STYRENE	0.5	ND	ND
1,1,1,2-TETRACHLOROETHANE	0.5	ND	ND

- CONTINUED -

LABORATORY REPORT

METHOD: EPA 8260B MATRIX: WATER REPORTING UNIT: ug/L (PPB)
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DATE EXTRACTED 11/27/12
LAB SAMPLE I.D. 121119-2
CLIENT SAMPLE I.D. MW2
EXTRACTION SOLVENT HELIUM GAS/WATER
EXTRACTION METHOD EPA 5030B
DILUTION FACTOR (DF) 5

COMPOUND	CRDL	MB	RESULT
1,1,2,2-TETRACHLOROETHANE	0.5	ND	ND
TETRACHLOROETHENE (PCE)	0.5	ND	138
TOLUENE	0.5	ND	ND
1,2,3 TRICHLOROBENZENE	0.5	ND	ND
1,2,4-TRICHLOROBENZENE	0.5	ND	ND
1,1,1-TRICHLOROETHANE	0.5	ND	ND
1,1,2-TRICHLOROETHANE	0.5	ND	ND
TRICHLOROETHENE (TCE)	0.5	ND	121
TRICHLOROFUOROMETHANE	0.5	ND	40.0
1,2,3-TRICHLOROPROPANE	0.5	ND	ND
1,2,4-TRIMETHYLBENZENE	0.5	ND	ND
1,3,5 TRIMETHYLBENZENE	0.5	ND	ND
VINYL CHLORIDE	0.5	ND	ND
M,P-XYLENE	1.0	ND	ND
O-XYLENE	0.5	ND	ND

ug/L = MICROGRAM PER LITER = PPB
CRDL = CONTRACT REQUIRED DETECTION LIMIT
MB = METHOD BLANK
ND = NON-DETECTED OR BELOW THE CRDL

DATA APPROVED BY: 

Enviro - Chem, Inc.

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LABORATORY REPORT

METHOD: EPA 8260B MATRIX: WATER REPORTING UNIT: µG/L (PPB)
PAGE: 1 OF 3 PAGES PROJECT: Continental Heat Treating / 12-758

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DATE ANALYZED 11/26/12
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LAB SAMPLE I.D. 121119-3
CLIENT SAMPLE I.D. MW3
EXTRACTION SOLVENT HELIUM GAS/WATER
EXTRACTION METHOD EPA 5030B
DILUTION FACTOR (DF) NONE (15 MLs PURGED)

COMPOUND	CRDL	MB	RESULT
ACETONE	2.0	ND	ND
BENZENE	0.5	ND	3.59
BROMOBENZENE	0.5	ND	ND
BROMOCHLOROMETHANE	0.5	ND	ND
BROMODICHLOROMETHANE	0.5	ND	ND
BROMOFORM	0.5	ND	ND
BROMOMETHANE	0.5	ND	ND
2-BUTANONE (MEK)	2.0	ND	ND
N-BUTYLBENZENE	0.5	ND	ND
SEC-BUTYLBENZENE	0.5	ND	ND
TERT-BUTYLBENZENE	0.5	ND	ND
CARBON DISULFIDE	2.0	ND	ND
CARBON TETRACHLORIDE	0.5	ND	ND
CHLOROBENZENE	0.5	ND	ND
CHLOROETHANE	0.5	ND	ND
CHLOROFORM	0.5	ND	4.82
CHLOROMETHANE	0.5	ND	ND
2-CHLOROTOLUENE	0.5	ND	ND
4-CHLOROTOLUENE	0.5	ND	ND
DIBROMOCHLOROMETHANE	0.5	ND	ND
1,2-DIBROMO-3-CHLOROPROPANE	0.5	ND	ND
1,2-DIBROMOMETHANE	0.5	ND	ND
DIBROMOMETHANE	0.5	ND	ND
1,2-DICHLOROBENZENE	0.5	ND	ND
1,3-DICHLOROBENZENE	0.5	ND	ND
1,4-DICHLOROBENZENE	0.5	ND	ND

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METHOD: EPA 8260B MATRIX: WATER REPORTING UNIT: µG/L (PPB)
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DATE ANALYZED			11/26/12
DATE EXTRACTED			11/26/12
LAB SAMPLE I.D.			121119-3
CLIENT SAMPLE I.D.			MW3
EXTRACTION SOLVENT			HELIUM GAS/WATER
EXTRACTION METHOD			EPA 5030B
DILUTION FACTOR (DF)			NONE (15 MLs PURGED)
COMPOUND	CRDL	MB	RESULT
DICHLORODIFLUOROMETHANE	0.5	ND	ND
1,1-DICHLOROETHANE	0.5	ND	15.1
CIS-1,2-DICHLOROETHENE	0.5	ND	60.1
TRANS-1,2-DICHLOROETHENE	0.5	ND	11.7
1,2-DICHLOROPROPANE	0.5	ND	ND
1,2-DICHLOROETHANE	0.5	ND	ND
1,1-DICHLOROETHANE	0.5	ND	104
1,3-DICHLOROPROPANE	0.5	ND	ND
2,2-DICHLOROPROPANE	0.5	ND	ND
1,1-DICHLOROPROPENE	0.5	ND	ND
CIS-1,3-DICHLOROPROPENE	0.5	ND	ND
TRANS-1,3-DICHLOROPROPENE	0.5	ND	ND
ETHYLBENZENE	0.5	ND	ND
2-HEXANONE	2.0	ND	ND
HEXACHLOROBUTADIENE	0.5	ND	ND
IODOMETHANE	0.5	ND	ND
ISOPROPYLBENZENE	0.5	ND	ND
4-ISOPROPYLTOLUENE	0.5	ND	ND
4-METHYL-2-PENTANONE (MIBK)	2.0	ND	ND
METHYL tert-BUTYL ETHER	0.5	ND	ND
METHYLENE CHLORIDE	2.0	ND	ND
NAPHTHALENE	0.5	ND	ND
N-PROPYLBENZENE	0.5	ND	ND
STYRENE	0.5	ND	ND
1,1,1,2-TETRACHLOROETHANE	0.5	ND	ND

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LABORATORY REPORT

METHOD: EPA 8260B MATRIX: WATER REPORTING UNIT: µG/L (PPB)
PAGE: 3 OF 3 PAGES PROJECT: Continental Heat Treating / 12-758

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DATE ANALYZED	11/26/12		
DATE EXTRACTED	11/26/12		
LAB SAMPLE I.D.	121119-3		
CLIENT SAMPLE I.D.	MW3		
EXTRACTION SOLVENT	HELIUM GAS/WATER		
EXTRACTION METHOD	EPA 5030B		
DILUTION FACTOR (DF)	NONE (15 MLs PURGED)		
COMPOUND	CRDL	MB	RESULT
1,1,2,2-TETRACHLOROETHANE	0.5	ND	ND
TETRACHLOROETHENE (PCE)	0.5	ND	94.0
TOLUENE	0.5	ND	ND
1,2,3-TRICHLOROBENZENE	0.5	ND	ND
1,2,4-TRICHLOROBENZENE	0.5	ND	ND
1,1,1-TRICHLOROETHANE	0.5	ND	ND
1,1,2-TRICHLOROETHANE	0.5	ND	ND
TRICHLOROETHENE (TCE)	0.5	ND	140
TRICHLOROFLUOROMETHANE	0.5	ND	7.76
1,2,3-TRICHLOROPROPANE	0.5	ND	ND
1,2,4-TRIMETHYLBENZENE	0.5	ND	ND
1,3,5-TRIMETHYLBENZENE	0.5	ND	ND
VINYL CHLORIDE	0.5	ND	ND
M,P-XYLENE	1.0	ND	ND
O-XYLENE	0.5	ND	ND

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LABORATORY REPORT

METHOD: EPA 8260B MATRIX: WATER REPORTING UNIT: UG/L (PPB)
PAGE: 1 OF 3 PAGES PROJECT: Continental Heat Treating / 12-758

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DATE ANALYZED 11/27/12
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LAB SAMPLE I.D. 121119-4
CLIENT SAMPLE I.D. MW4
EXTRACTION SOLVENT HELIUM GAS/WATER
EXTRACTION METHOD EPA 5030B
DILUTION FACTOR (DF) 5

COMPOUND	CRDL	MS	RESULT
ACETONE	2.0	ND	ND
BENZENE	0.5	ND	ND
BROMOBENZENE	0.5	ND	ND
BROMOCHLOROMETHANE	0.5	ND	ND
BROMODICHLOROMETHANE	0.5	ND	ND
BROMOFORM	0.5	ND	ND
BROMOMETHANE	0.5	ND	ND
2-BUTANONE (MEK)	2.0	ND	ND
N-BUTYLBENZENE	0.5	ND	ND
SEC-BUTYLBENZENE	0.5	ND	ND
TERT-BUTYLBENZENE	0.5	ND	ND
CARBON DISULFIDE	2.0	ND	ND
CARBON TETRACHLORIDE	0.5	ND	ND
CHLOROBENZENE	0.5	ND	ND
CHLOROETHANE	0.5	ND	ND
CHLOROFORM	0.5	ND	10.0
CHLOROMETHANE	0.5	ND	ND
2-CHLOROTOLUENE	0.5	ND	ND
4-CHLOROTOLUENE	0.5	ND	ND
DIBROMOCHLOROMETHANE	0.5	ND	ND
1,2-DIBROMO-3-CHLOROPROPANE	0.5	ND	ND
1,2-DIBROMOETHANE	0.5	ND	ND
DIBROMOMETHANE	0.5	ND	ND
1,2-DICHLOROBENZENE	0.5	ND	ND
1,3-DICHLOROBENZENE	0.5	ND	ND
1,4-DICHLOROBENZENE	0.5	ND	ND

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LABORATORY REPORT

METHOD: EPA 8260B MATRIX: WATER REPORTING UNIT: uG/L (PPB)
PAGE: 2 OF 3 PAGES PROJECT: Continental Heat Treating / 12-758

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LAB SAMPLE I.D. 121119-4
CLIENT SAMPLE I.D. MW4
EXTRACTION SOLVENT HELIUM GAS/WATER
EXTRACTION METHOD EPA 5030B
DILUTION FACTOR (DF) 5

COMPOUND	CRDL	MB	RESULT
DICHLORODIFLUOROMETHANE	0.5	ND	ND
1,1-DICHLOROETHANE	0.5	ND	43.7
CIS-1,2-DICHLOROETHENE	0.5	ND	424
TRANS-1,2-DICHLOROETHENE	0.5	ND	20.7
1,2-DICHLOROPROPANE	0.5	ND	ND
1,2-DICHLOROETHANE	0.5	ND	ND
1,1-DICHLOROETHENE	0.5	ND	308
1,3-DICHLOROPROPANE	0.5	ND	ND
2,2-DICHLOROPROPANE	0.5	ND	ND
1,1-DICHLOROPROPENE	0.5	ND	ND
CIS-1,3-DICHLOROPROPENE	0.5	ND	ND
TRANS-1,3-DICHLOROPROPENE	0.5	ND	ND
ETHYLBENZENE	0.5	ND	ND
2-HEXANONE	2.0	ND	ND
HEXACHLOROBTADIENE	0.5	ND	ND
IODOMETHANE	0.5	ND	ND
ISOPROPYLBENZENE	0.5	ND	ND
4-ISOPROPYLTOLUENE	0.5	ND	ND
4-METHYL-2-PENTANONE (MIBK)	2.0	ND	ND
METHYL tert-BUTYL ETHER	0.5	ND	ND
METHYLENE CHLORIDE	2.0	ND	ND
NAPHTHALENE	0.5	ND	ND
N-PROPYLBENZENE	0.5	ND	ND
STYRENE	0.5	ND	ND
1,1,1,2-TETRACHLOROETHANE	0.5	ND	ND

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LABORATORY REPORT

METHOD: EPA 8260B MATRIX: WATER REPORTING UNIT: uG/L (PPB)
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DATE EXTRACTED	<u>11/27/12</u>		
LAB SAMPLE I.D.	<u>121119-4</u>		
CLIENT SAMPLE I.D.	<u>MW4</u>		
EXTRACTION SOLVENT	<u>HELIUM GAS/WATER</u>		
EXTRACTION METHOD	<u>EPA 5030B</u>		
DILUTION FACTOR (DF)	<u>5</u>		
COMPOUND	CRDL	MB	RESULT
<u>1,1,2,2-TETRACHLOROETHANE</u>	<u>0.5</u>	<u>ND</u>	<u>ND</u>
<u>TETRACHLOROETHENE (PCE)</u>	<u>0.5</u>	<u>ND</u>	<u>94.2</u>
<u>TOLUENE</u>	<u>0.5</u>	<u>ND</u>	<u>ND</u>
<u>1,2,3-TRICHLOROBENZENE</u>	<u>0.5</u>	<u>ND</u>	<u>ND</u>
<u>1,2,4-TRICHLOROBENZENE</u>	<u>0.5</u>	<u>ND</u>	<u>ND</u>
<u>1,1,1-TRICHLOROETHANE</u>	<u>0.5</u>	<u>ND</u>	<u>ND</u>
<u>1,1,2-TRICHLOROETHANE</u>	<u>0.5</u>	<u>ND</u>	<u>ND</u>
<u>TRICHLOROETHENE (TCE)</u>	<u>0.5</u>	<u>ND</u>	<u>95.2</u>
<u>TRICHLOROFLUOROMETHANE</u>	<u>0.5</u>	<u>ND</u>	<u>ND</u>
<u>1,2,3-TRICHLOROPROPANE</u>	<u>0.5</u>	<u>ND</u>	<u>ND</u>
<u>1,2,4-TRIMETHYLBENZENE</u>	<u>0.5</u>	<u>ND</u>	<u>ND</u>
<u>1,3,5-TRIMETHYLBENZENE</u>	<u>0.5</u>	<u>ND</u>	<u>ND</u>
<u>VINYL CHLORIDE</u>	<u>0.5</u>	<u>ND</u>	<u>66.7</u>
<u>M,P-XYLENE</u>	<u>1.0</u>	<u>ND</u>	<u>ND</u>
<u>O-XYLENE</u>	<u>0.5</u>	<u>ND</u>	<u>ND</u>

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MB = METHOD BLANK

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LABORATORY REPORT

METHOD: EPA 8260B MATRIX: WATER REPORTING UNIT: ug/L (PPB)
PAGE: 1 OF 3 PAGES PROJECT: Continental Heat Treating / 12-758

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DATE ANALYZED	11/26/12		
DATE EXTRACTED	11/26/12		
LAB SAMPLE I.D.	121119-5		
CLIENT SAMPLE I.D.	MW5a		
EXTRACTION SOLVENT	HELIUM GAS/WATER		
EXTRACTION METHOD	EPA 5030B		
DILUTION FACTOR (DF)	NONE (15 MLs PURGED)		
COMPOUND	CRDL	MB	RESULT
ACETONE	2.0	ND	ND
BENZENE	0.5	ND	ND
BROMOBENZENE	0.5	ND	ND
BROMOCHLOROMETHANE	0.5	ND	ND
BROMODICHLOROMETHANE	0.5	ND	ND
BROMOFORM	0.5	ND	ND
BROMOMETHANE	0.5	ND	ND
2-BUTANONE (MEK)	2.0	ND	ND
N-BUTYLBENZENE	0.5	ND	ND
SEC-BUTYLBENZENE	0.5	ND	ND
TERT-BUTYLBENZENE	0.5	ND	ND
CARBON DISULFIDE	2.0	ND	ND
CARBON TETRACHLORIDE	0.5	ND	ND
CHLOROBENZENE	0.5	ND	ND
CHLOROETHANE	0.5	ND	ND
CHLOROFORM	0.5	ND	4.73
CHLOROMETHANE	0.5	ND	ND
2-CHLOROTOLUENE	0.5	ND	ND
4-CHLOROTOLUENE	0.5	ND	ND
DIBROMOCHLOROMETHANE	0.5	ND	ND
1,2-DIBROMO 3-CHLOROPROPANE	0.5	ND	ND
1,2-DIBROMOETHANE	0.5	ND	ND
DIBROMOMETHANE	0.5	ND	ND
1,2-DICHLOROETHANE	0.5	ND	ND
1,3-DICHLOROETHANE	0.5	ND	ND
1,4-DICHLOROETHANE	0.5	ND	ND

- CONTINUED -

Enviro - Chem, Inc.

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LABORATORY REPORT

METHOD: EPA 8260B MATRIX: WATER REPORTING UNIT: ug/L (PPB)
PAGE: 2 OF 3 PAGES PROJECT: Continental Heat Treating / 12-758

CUSTOMER: **Fero Environmental Engineering, Inc.**
431 W. Lambert Road, Suite 305
Brea, CA 92821
Tel (714) 256-2737 Fax (714) 256-1505

DATE SAMPLED: 11/16/12

DATE RECEIVED: 11/19/12

DATE ANALYZED			11/26/12
DATE EXTRACTED			11/26/12
LAB SAMPLE I.D.			121119-5
CLIENT SAMPLE I.D.			MW5s
EXTRACTION SOLVENT			HELIUM GAS/WATER
EXTRACTION METHOD			EPA 5030B
DILUTION FACTOR (DF)			NONE (15 MLs PURGED)
COMPOUND	CRDL	MB	RESULT
DICHLORODIFLUOROMETHANE	0.5	ND	ND
1,1-DICHLOROETHANE	0.5	ND	26.8
CIS-1,2-DICHLOROETHENE	0.5	ND	76.3
TRANS-1,2-DICHLOROETHENE	0.5	ND	3.71
1,2-DICHLOROPROPANE	0.5	ND	ND
1,2-DICHLOROETHANE	0.5	ND	ND
1,1-DICHLOROETHENE	0.5	ND	163
1,3-DICHLOROPROPANE	0.5	ND	ND
2,2-DICHLOROPROPANE	0.5	ND	ND
1,1-DICHLOROPROPENE	0.5	ND	ND
CIS-1,3-DICHLOROPROPENE	0.5	ND	ND
TRANS-1,3-DICHLOROPROPENE	0.5	ND	ND
ETHYLBENZENE	0.5	ND	ND
2-HEXANONE	2.0	ND	ND
HEXACHLOROBUTADIENE	0.5	ND	ND
IODOMETHANE	0.5	ND	ND
ISOPROPYLBENZENE	0.5	ND	ND
4-ISOPROPYLTOLUENE	0.5	ND	ND
4-METHYL-2-PENTANONE (MIBK)	2.0	ND	ND
METHYL tert-BUTYL ETHER	0.5	ND	ND
METHYLENE CHLORIDE	2.0	ND	ND
NAPHTHALENE	0.5	ND	ND
N-PROPYLBENZENE	0.5	ND	ND
STYRENE	0.5	ND	ND
1,1,1,2-TETRACHLOROETHANE	0.5	ND	ND

- CONTINUED -

LABORATORY REPORT

METHOD: EPA 8260B MATRIX: WATER REPORTING UNIT: µG/L (PPB)
PAGE: 3 OF 3 PAGES PROJECT: Continental Heat Treating / 12-758

CUSTOMER: Fero Environmental Engineering, Inc.
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DATE ANALYZED	11/26/12		
DATE EXTRACTED	11/26/12		
LAB SAMPLE I.D.	121119.5		
CLIENT SAMPLE I.D.	MW5g		
EXTRACTION SOLVENT	HELIUM GAS/WATER		
EXTRACTION METHOD	EPA 5030B		
DILUTION FACTOR (DF)	NONE (15 MLs PURGED)		
COMPOUND	CRDL	MB	RESULT
1,1,2,2-TETRACHLOROETHANE	0.5	ND	ND
TETRACHLOROETHENE (PCE)	0.5	ND	110
TOLUENE	0.5	ND	ND
1,2,3-TRICHLOROBENZENE	0.5	ND	ND
1,2,4-TRICHLOROBENZENE	0.5	ND	ND
1,1,1-TRICHLOROETHANE	0.5	ND	ND
1,1,2-TRICHLOROETHANE	0.5	ND	ND
TRICHLOROETHENE (TCE)	0.5	ND	154
TRICHLOROFLUOROMETHANE	0.5	ND	5.92
1,2,3-TRICHLOROPROPANE	0.5	ND	ND
1,2,4-TRIMETHYLBENZENE	0.5	ND	ND
1,3,5-TRIMETHYLBENZENE	0.5	ND	ND
VINYL CHLORIDE	0.5	ND	2.36
M,P-XYLENE	1.0	ND	ND
O-XYLENE	0.5	ND	ND

µG/L = MICROGRAM PER LITER = PPB

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MB = METHOD BLANK

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LABORATORY REPORT

METHOD: EPA 8260B MATRIX: WATER REPORTING UNIT: ug/L (PPB)
PAGE: 1 OF 3 PAGES PROJECT: Continental Heat Treating / 12-758

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DATE ANALYZED	11/27/12		
DATE EXTRACTED	11/27/12		
LAB SAMPLE I.D.	121119-6		
CLIENT SAMPLE I.D.	MW5m		
EXTRACTION SOLVENT	HELIUM GAS/WATER		
EXTRACTION METHOD	EPA 5030B		
DILUTION FACTOR (DF)	5		
COMPOUND	CRDL	MB	RESULT
ACETONE	2.0	ND	ND
BENZENE	0.5	ND	ND
BROMOBENZENE	0.5	ND	ND
BROMOCHLOROMETHANE	0.5	ND	ND
BROMODICHLOROMETHANE	0.5	ND	ND
BROMOFORM	0.5	ND	ND
BROMOMETHANE	0.5	ND	ND
2-BUTANONE (MEK)	2.0	ND	ND
N-BUTYLBENZENE	0.5	ND	ND
SEC-BUTYLBENZENE	0.5	ND	ND
TERT-BUTYLBENZENE	0.5	ND	ND
CARBON DISULFIDE	2.0	ND	ND
CARBON TETRACHLORIDE	0.5	ND	ND
CHLOROBENZENE	0.5	ND	ND
CHLOROETHANE	0.5	ND	ND
CHLOROFORM	0.5	ND	4.32
CHLOROMETHANE	0.5	ND	ND
2-CHLOROTOLUENE	0.5	ND	ND
4-CHLOROTOLUENE	0.5	ND	ND
DIBROMOCHLOROMETHANE	0.5	ND	ND
1,2-DIBROMO-3-CHLOROPROPANE	0.5	ND	ND
1,2-DIBROMOETHANE	0.5	ND	ND
DIBROMOMETHANE	0.5	ND	ND
1,2-DICHLOROBENZENE	0.5	ND	ND
1,3-DICHLOROBENZENE	0.5	ND	ND
1,4-DICHLOROBENZENE	0.5	ND	ND

- CONTINUED -

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LABORATORY REPORT

METHOD: EPA 8260B MATRIX: WATER REPORTING UNIT: µG/L (PBB)
PAGE: 2 OF 3 PAGES PROJECT: Continental Heat Treating / 12-758

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DATE ANALYZED	11/27/12		
DATE EXTRACTED	11/27/12		
LAB SAMPLE I.D.	121119-6		
CLIENT SAMPLE I.D.	MW5m		
EXTRACTION SOLVENT	HELIUM GAS/WATER		
EXTRACTION METHOD	EPA 5030B		
DILUTION FACTOR (DF)	5		
COMPOUND	CRDL	MB	RESULT
DICHLORODIFLUOROMETHANE	0.5	ND	ND
1,1-DICHLOROETHANE	0.5	ND	42.3
CIS-1,2-DICHLOROETHENE	0.5	ND	104
TRANS-1,2-DICHLOROETHENE	0.5	ND	ND
1,2-DICHLOROPROPANE	0.5	ND	ND
1,2-DICHLOROETHANE	0.5	ND	8.69
1,1-DICHLOROETHENE	0.5	ND	448
1,3-DICHLOROPROPANE	0.5	ND	ND
2,2-DICHLOROPROPANE	0.5	ND	ND
1,1-DICHLOROPROPENE	0.5	ND	ND
CIS-1,3-DICHLOROPROPENE	0.5	ND	ND
TRANS-1,3-DICHLOROPROPENE	0.5	ND	ND
ETHYLBENZENE	0.5	ND	ND
2-HEXANONE	2.0	ND	ND
HEXACHLOROBUTADIENE	0.5	ND	ND
IODOMETHANE	0.5	ND	ND
ISOPROPYLBENZENE	0.5	ND	ND
4-ISOPROPYLTOLUENE	0.5	ND	ND
4-METHYL-2-PENTANONE (MIBK)	2.0	ND	ND
METHYL tert-BUTYL ETHER	0.5	ND	ND
METHYLENE CHLORIDE	2.0	ND	ND
NAPHTHALENE	0.5	ND	ND
N-PROPYLBENZENE	0.5	ND	ND
STYRENE	0.5	ND	ND
1,1,1,2-TETRACHLOROETHANE	0.5	ND	ND

- CONTINUED -

LABORATORY REPORT

METHOD: EPA 8260B MATRIX: WATER REPORTING UNIT: UG/L (PPB)
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DATE ANALYZED 11/27/12
DATE EXTRACTED 11/27/12
LAB SAMPLE I.D. 121119-6
CLIENT SAMPLE I.D. MW5m
EXTRACTION SOLVENT HELIUM GAS/WATER
EXTRACTION METHOD EPA 5030B
DILUTION FACTOR (DF) 5


COMPOUND	CRDL	MB	RESULT
1,1,2,2-TETRACHLOROETHANE	0.5	ND	ND
TETRACHLOROETHENE (PCE)	0.5	ND	102
TOLUENE	0.5	ND	ND
1,2,3-TRICHLOROBENZENE	0.5	ND	ND
1,2,4-TRICHLOROBENZENE	0.5	ND	ND
1,1,1-TRICHLOROETHANE	0.5	ND	ND
1,1,2-TRICHLOROETHANE	0.5	ND	ND
TRICHLOROETHENE (TCE)	0.5	ND	132
TRICHLOROFLUOROMETHANE	0.5	ND	ND
1,2,3-TRICHLOROPROPANE	0.5	ND	ND
1,2,4-TRIMETHYLBENZENE	0.5	ND	ND
1,3,5-TRIMETHYLBENZENE	0.5	ND	ND
VINYL CHLORIDE	0.5	ND	ND
M,P-XYLENE	1.0	ND	ND
O-XYLENE	0.5	ND	ND

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MB = METHOD BLANK

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LABORATORY REPORT

METHOD: EPA 8260B MATRIX: WATER REPORTING UNIT: UG/L (PPB)
PAGE: 1 OF 3 PAGES PROJECT: Continental Heat Treating / 12-758

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DATE SAMPLED: 11/16/12

DATE RECEIVED: 11/19/12

DATE ANALYZED	11/26/12		
DATE EXTRACTED	11/26/12		
LAB SAMPLE I.D.	121119-7		
CLIENT SAMPLE I.D.	MW5d		
EXTRACTION SOLVENT	HELIUM GAS/WATER		
EXTRACTION METHOD	EPA 5030B		
DILUTION FACTOR (DF)	NONE (15 MLs PURGED)		
COMPOUND	CRDL	MB	RESULT
ACETONE	2.0	ND	ND
BENZENE	0.5	ND	ND
BROMOBENZENE	0.5	ND	ND
BROMOCHLOROMETHANE	0.5	ND	ND
BROMODICHLOROMETHANE	0.5	ND	ND
BROMOFORM	0.5	ND	ND
BROMOMETHANE	0.5	ND	ND
2-BUTANONE (MEK)	2.0	ND	ND
N-BUTYLBENZENE	0.5	ND	ND
SEC-BUTYLBENZENE	0.5	ND	ND
TERT-BUTYLBENZENE	0.5	ND	ND
CARBON DISULFIDE	2.0	ND	ND
CARBON TETRACHLORIDE	0.5	ND	ND
CHLOROBENZENE	0.5	ND	ND
CHLOROETHANE	0.5	ND	ND
CHLOROFORM	0.5	ND	ND
CHLOROMETHANE	0.5	ND	ND
2-CHLOROTOLUENE	0.5	ND	ND
4-CHLOROTOLUENE	0.5	ND	ND
DIBROMOCHLOROMETHANE	0.5	ND	ND
1,2-DIBROMO-3-CHLOROPROPANE	0.5	ND	ND
1,2-DIBROMOETHANE	0.5	ND	ND
DIBROMOMETHANE	0.5	ND	ND
1,2-DICHLOROBENZENE	0.5	ND	ND
1,3-DICHLOROBENZENE	0.5	ND	ND
1,4-DICHLOROBENZENE	0.5	ND	ND

- CONTINUED -

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LABORATORY REPORT

METHOD: EPA 8260B MATRIX: WATER REPORTING UNIT: µG/L (PPB)
PAGE: 2 OF 3 PAGES PROJECT: Continental Heat Treating / 12-758

CUSTOMER: **Fero Environmental Engineering, Inc.**
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Tel (714) 256-2737 Fax (714) 256-1505

DATE SAMPLED: 11/16/12

DATE RECEIVED: 11/19/12

DATE ANALYZED 11/26/12
DATE EXTRACTED 11/26/12
LAB SAMPLE I.D. 121119-7
CLIENT SAMPLE I.D. MW5d
EXTRACTION SOLVENT HELIUM GAS/WATER
EXTRACTION METHOD EPA 5030B
DILUTION FACTOR (DF) NONE (15 MLs PURGED)

COMPOUND	CRDL	MB	RESULT
DICHLORODIFLUOROMETHANE	0.5	ND	ND
1,1-DICHLOROETHANE	0.5	ND	7.00
CIS-1,2-DICHLOROETHENE	0.5	ND	35.1
TRANS-1,2-DICHLOROETHENE	0.5	ND	1.43
1,2-DICHLOROPROPANE	0.5	ND	ND
1,2-DICHLOROETHANE	0.5	ND	1.21
1,1-DICHLOROETHENE	0.5	ND	90.2
1,3-DICHLOROPROPANE	0.5	ND	ND
2,2-DICHLOROPROPANE	0.5	ND	ND
1,1-DICHLOROPROPENE	0.5	ND	ND
CIS-1,3-DICHLOROPROPENE	0.5	ND	ND
TRANS-1,3-DICHLOROPROPENE	0.5	ND	ND
ETHYLBENZENE	0.5	ND	ND
2-HEXANONE	2.0	ND	ND
HEXACHLOROBUTADIENE	0.5	ND	ND
IODOMETHANE	0.5	ND	ND
ISOPROPYLBENZENE	0.5	ND	ND
4-ISOPROPYLTOLUENE	0.5	ND	ND
4-METHYL-2-PENTANONE (MIBK)	2.0	ND	ND
METHYL tert-BUTYL ETHER	0.5	ND	ND
METHYLENE CHLORIDE	2.0	ND	ND
NAPHTHALENE	0.5	ND	ND
N-PROPYLBENZENE	0.5	ND	ND
STYRENE	0.5	ND	ND
1,1,1,2-TETRACHLOROETHANE	0.5	ND	ND

- CONTINUED -

LABORATORY REPORT

METHOD: EPA 8260B MATRIX: WATER REPORTING UNIT: $\mu\text{G/L (PPB)}$
PAGE: 3 OF 3 PAGES PROJECT: Continental Heat Treating / 12-758

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DATE ANALYZED	11/26/12
DATE EXTRACTED	11/26/12
LAB SAMPLE I.D.	121119-7
CLIENT SAMPLE I.D.	MW5d
EXTRACTION SOLVENT	HELIUM GAS/WATER
EXTRACTION METHOD	EPA 5030B
DILUTION FACTOR (DF)	NONE (15 MLs PURGED)


COMPOUND	CRDL	MB	RESULT
1,1,2,2-TETRACHLOROETHANE	0.5	ND	ND
TETRACHLOROETHENE (PCE)	0.5	ND	9.42
TOLUENE	0.5	ND	ND
1,2,3-TRICHLOROBENZENE	0.5	ND	ND
1,2,4-TRICHLOROBENZENE	0.5	ND	ND
1,1,1-TRICHLOROETHANE	0.5	ND	ND
1,1,2-TRICHLOROETHANE	0.5	ND	ND
TRICHLOROETHENE (TCE)	0.5	ND	44.4
TRICHLOROFLUOROMETHANE	0.5	ND	ND
1,2,3-TRICHLOROPROPANE	0.5	ND	ND
1,2,4-TRIMETHYLBENZENE	0.5	ND	ND
1,3,5-TRIMETHYLBENZENE	0.5	ND	ND
VINYL CHLORIDE	0.5	ND	ND
M,P-XYLENE	1.0	ND	ND
O-XYLENE	0.5	ND	ND

$\mu\text{G/L}$ = MICROGRAM PER LITER = PPB

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LABORATORY REPORT

METHOD: EPA 8260B MATRIX: WATER REPORTING UNIT: µG/L (PPB)
PAGE: 1 OF 3 PAGES PROJECT: Continental Heat Treating / 12-758

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DATE ANALYZED	11/26/12		
DATE EXTRACTED	11/26/12		
LAB SAMPLE I.D.	121119-8		
CLIENT SAMPLE I.D.	MW6s		
EXTRACTION SOLVENT	HELIUM GAS/WATER		
EXTRACTION METHOD	EPA 5030B		
DILUTION FACTOR (DF)	NONE (15 MLs PURGED)		
COMPOUND	CRDL	MB	RESULT
ACETONE	2.0	ND	ND
BENZENE	0.5	ND	ND
BROMOBENZENE	0.5	ND	ND
BROMOCHLOROMETHANE	0.5	ND	ND
BROMODICHLOROMETHANE	0.5	ND	ND
BROMOFORM	0.5	ND	ND
BROMOMETHANE	0.5	ND	ND
2-BUTANONE (MEK)	2.0	ND	ND
N-BUTYLBENZENE	0.5	ND	ND
SEC-BUTYLBENZENE	0.5	ND	ND
TERT-BUTYLBENZENE	0.5	ND	ND
CARBON DISULFIDE	2.0	ND	ND
CARBON TETRACHLORIDE	0.5	ND	ND
CHLOROBENZENE	0.5	ND	ND
CHLOROETHANE	0.5	ND	ND
CHLOROFORM	0.5	ND	12.3
CHLOROMETHANE	0.5	ND	ND
2-CHLOROTOLUENE	0.5	ND	ND
4-CHLOROTOLUENE	0.5	ND	ND
DIBROMOCHLOROMETHANE	0.5	ND	ND
1,2-DIBROMO-3-CHLOROPROPANE	0.5	ND	ND
1,2-DIBROMOETHANE	0.5	ND	ND
DIBROMOMETHANE	0.5	ND	ND
1,2-DICHLOROBENZENE	0.5	ND	ND
1,3-DICHLOROBENZENE	0.5	ND	ND
1,4-DICHLOROBENZENE	0.5	ND	ND

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LABORATORY REPORT

METHOD: EPA 8260B MATRIX: WATER REPORTING UNIT: UG/L (PPB)
PAGE: 2 OF 3 PAGES PROJECT: Continental Heat Treating / 12-758

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DATE EXTRACTED	11/26/12		
LAB SAMPLE I.D.	121119-8		
CLIENT SAMPLE I.D.	MW6s		
EXTRACTION SOLVENT	HELIUM GAS/WATER		
EXTRACTION METHOD	EPA 5030B		
DILUTION FACTOR (DF)	NONE (15 MLs PURGED)		
COMPOUND	CRDL	MB	RESULT
DICHLORODIFLUOROMETHANE	0.5	ND	ND
1,1-DICHLOROETHANE	0.5	ND	31.7
CIS-1,2-DICHLOROETHENE	0.5	ND	137
TRANS-1,2-DICHLOROETHENE	0.5	ND	4.53
1,2-DICHLOROPROPANE	0.5	ND	ND
1,2-DICHLOROETHANE	0.5	ND	4.85
1,1-DICHLOROETHENE	0.5	ND	182
1,3-DICHLOROPROPANE	0.5	ND	ND
2,2-DICHLOROPROPANE	0.5	ND	ND
1,1-DICHLOROPROPENE	0.5	ND	ND
CIS-1,3-DICHLOROPROPENE	0.5	ND	ND
TRANS-1,3-DICHLOROPROPENE	0.5	ND	ND
METHYLBENZENE	0.5	ND	ND
2-HEXANONE	2.0	ND	ND
HEXACHLOROBUTADIENE	0.5	ND	ND
IODOMETHANE	0.5	ND	ND
ISOPROPYLBENZENE	0.5	ND	ND
4-ISOPROPYLTOLUENE	0.5	ND	ND
4-METHYL-2-PENTANONE (MISK)	2.0	ND	ND
METHYL tert-BUTYL ETHER	0.5	ND	ND
METHYLENE CHLORIDE	2.0	ND	ND
NAPHTHALENE	0.5	ND	ND
N-PROPYLBENZENE	0.5	ND	ND
STYRENE	0.5	ND	ND
1,1,1,2-TETRACHLOROETHANE	0.5	ND	ND

- CONTINUED -

LABORATORY REPORT

METHOD: EPA 8260B MATRIX: WATER REPORTING UNIT: µG/L (PPB)
PAGE: 3 OF 3 PAGES PROJECT: Continental Heat Treating / 12-758

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DATE EXTRACTED	11/26/12		
LAB SAMPLE I.D.	121119-8		
CLIENT SAMPLE I.D.	MW6s		
EXTRACTION SOLVENT	HELIUM GAS/WATER		
EXTRACTION METHOD	EPA 5030B		
DILUTION FACTOR (DF)	NONE (15 MLs PURGED)		
COMPOUND	CRDL	MB	RESULT
1,1,2,2-TETRACHLOROETHANE	0.5	ND	ND
TETRACHLOROETHENE (PCE)	0.5	ND	195
TOLUENE	0.5	ND	ND
1,2,3-TRICHLOROBENZENE	0.5	ND	ND
1,2,4-TRICHLOROBENZENE	0.5	ND	ND
1,1,1-TRICHLOROETHANE	0.5	ND	0.88
1,1,2-TRICHLOROETHANE	0.5	ND	ND
TRICHLOROETHENE (TCE)	0.5	ND	153
TRICHLOROFLUOROMETHANE	0.5	ND	17.4
1,2,3-TRICHLOROPROPANE	0.5	ND	ND
1,2,4-TRIMETHYLBENZENE	0.5	ND	ND
1,3,5-TRIMETHYLBENZENE	0.5	ND	ND
VINYL CHLORIDE	0.5	ND	8.73
M,P-XYLENE	1.0	ND	ND
O-XYLENE	0.5	ND	ND

µG/L = MICROGRAM PER LITER = PPB

CRDL = CONTRACT REQUIRED DETECTION LIMIT

MB = METHOD BLANK

ND = NON-DETECTED OR BELOW THE CRDL

DATA APPROVED BY: 

Enviro - Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

METHOD: EPA 8260B MATRIX: WATER REPORTING UNIT: µG/L (PPB)
PAGE: 1 OF 3 PAGES PROJECT: Continental Heat Treating / 12-758

CUSTOMER: **Fero Environmental Engineering, Inc.**
431 W. Lambert Road, Suite 305
Brea, CA 92821
Tel (714) 256-2737 Fax (714) 256-1505

DATE SAMPLED: 11/16/12

DATE RECEIVED: 11/19/12

DATE ANALYZED 11/26/12
DATE EXTRACTED 11/26/12
LAB SAMPLE I.D. 121119-9
CLIENT SAMPLE I.D. MW6m
EXTRACTION SOLVENT HELIUM GAS/WATER
EXTRACTION METHOD EPA 5030B
DILUTION FACTOR (DF) NONE (15 MLs PURGED)

COMPOUND	CRDL	MB	RESULT
ACETONE	2.0	ND	ND
BENZENE	0.5	ND	ND
BROMOBENZENE	0.5	ND	ND
BROMOCHLOROMETHANE	0.5	ND	ND
BROMODICHLOROMETHANE	0.5	ND	ND
BROMOFORM	0.5	ND	ND
BROMOMETHANE	0.5	ND	ND
2-BUTANONE (MEK)	2.0	ND	ND
N-BUTYLBENZENE	0.5	ND	ND
SEC-BUTYLBENZENE	0.5	ND	ND
TERT-BUTYLBENZENE	0.5	ND	ND
CARBON DISULFIDE	2.0	ND	ND
CARBON TETRACHLORIDE	0.5	ND	ND
CHLOROBENZENE	0.5	ND	ND
CHLOROETHANE	0.5	ND	ND
CHLOROFORM	0.5	ND	6.34
CHLOROMETHANE	0.5	ND	ND
2-CHLOROTOLUENE	0.5	ND	ND
4-CHLOROTOLUENE	0.5	ND	ND
DIBROMOCHLOROMETHANE	0.5	ND	ND
1,2-DIBROMO-3-CHLOROPROPANE	0.5	ND	ND
1,2-DIBROMOETHANE	0.5	ND	ND
DIBROMOMETHANE	0.5	ND	ND
1,2-DICHLOROBENZENE	0.5	ND	ND
1,3-DICHLOROBENZENE	0.5	ND	ND
1,4-DICHLOROBENZENE	0.5	ND	ND

- CONTINUED -

LABORATORY REPORT

METHOD: EPA 8260B MATRIX: WATER REPORTING UNIT: ug/L (PPB)
PAGE: 2 OF 3 PAGES PROJECT: Continental Heat Treating / 12-758

CUSTOMER: Fero Environmental Engineering, Inc.
431 W. Lambert Road, Suite 305
Brea, CA 92821
Tel (714) 256-2737 Fax (714) 256-1505

DATE SAMPLED: 11/16/12

DATE RECEIVED: 11/19/12

DATE ANALYZED	11/26/12		
DATE EXTRACTED	11/26/12		
LAB SAMPLE I.D.	121119-9		
CLIENT SAMPLE I.D.	MW6m		
EXTRACTION SOLVENT	HELIUM GAS/WATER		
EXTRACTION METHOD	EPA 5030B		
DILUTION FACTOR (DF)	NONE (15 MLs PURGED)		
COMPOUND	CRDL	MS	RESULT
DICHLORODIFLUOROMETHANE	0.5	ND	ND
1,1-DICHLOROETHANE	0.5	ND	30.0
CIS-1,2-DICHLOROETHENE	0.5	ND	74.3
TRANS-1,2-DICHLOROETHENE	0.5	ND	ND
1,2-DICHLOROPROPANE	0.5	ND	ND
1,2-DICHLOROETHANE	0.5	ND	7.90
1,1-DICHLOROETHENE	0.5	ND	195
1,3-DICHLOROPROPANE	0.5	ND	ND
2,2-DICHLOROPROPANE	0.5	ND	ND
1,1-DICHLOROPROPENE	0.5	ND	ND
CIS-1,3-DICHLOROPROPENE	0.5	ND	ND
TRANS-1,3-DICHLOROPROPENE	0.5	ND	ND
ETHYLBENZENE	0.5	ND	ND
2-HEXANONE	2.0	ND	ND
HEXACHLOROBUTADIENE	0.5	ND	ND
IODOMETHANE	0.5	ND	ND
ISOPROPYLBENZENE	0.5	ND	ND
4-ISOPROPYLTOLUENE	0.5	ND	ND
4-METHYL-2-PENTANONE (MIBK)	2.0	ND	ND
METHYL tert BUTYL ETHER	0.5	ND	ND
METHYLENE CHLORIDE	2.0	ND	ND
NAPHTHALENE	0.5	ND	ND
N-PROPYLBENZENE	0.5	ND	ND
STYRENE	0.5	ND	ND
1,1,1,2-TETRACHLOROETHANE	0.5	ND	ND

- CONTINUED -

LABORATORY REPORT

METHOD: EPA 8260B MATRIX: WATER REPORTING UNIT: $\mu\text{G/L (PPB)}$
PAGE: 3 OF 3 PAGES PROJECT: Continental Heat Treating / 12-758

CUSTOMER: Fero Environmental Engineering, Inc.
431 W. Lambert Road, Suite 305
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DATE SAMPLED: 11/16/12

DATE RECEIVED: 11/19/12

DATE ANALYZED	11/26/12		
DATE EXTRACTED	11/26/12		
LAB SAMPLE I.D.	121119-9		
CLIENT SAMPLE I.D.	MW6m		
EXTRACTION SOLVENT	HELIUM GAS/WATER		
EXTRACTION METHOD	EPA 5030B		
DILUTION FACTOR (DF)	NONE (15 MLs PURGED)		
COMPOUND	CRDL	MB	RESULT
1,1,2,2-TETRACHLOROETHANE	0.5	ND	ND
TETRACHLOROETHENE (PCE)	0.5	ND	171
TOLUENE	0.5	ND	ND
1,2,3-TRICHLOROBENZENE	0.5	ND	ND
1,2,4-TRICHLOROBENZENE	0.5	ND	ND
1,1,1-TRICHLOROETHANE	0.5	ND	ND
1,1,2-TRICHLOROETHANE	0.5	ND	ND
TRICHLOROETHENE (TCE)	0.5	ND	150
TRICHLOROFLUOROMETHANE	0.5	ND	4.43
1,2,3-TRICHLOROPROPANE	0.5	ND	ND
1,2,4-TRIMETHYLBENZENE	0.5	ND	ND
1,3,5-TRIMETHYLBENZENE	0.5	ND	ND
VINYL CHLORIDE	0.5	ND	ND
M,P XYLENE	1.0	ND	ND
O-XYLENE	0.5	ND	ND

$\mu\text{G/L}$ = MICROGRAM PER LITER = PPB

CRDL = CONTRACT REQUIRED DETECTION LIMIT

MB = METHOD BLANK

ND = NON-DETECTED OR BELOW THE CRDL

DATA APPROVED BY: 

LABORATORY REPORT

METHOD: EPA 8260B MATRIX: WATER REPORTING UNIT: $\mu\text{G/L (PPB)}$
PAGE: 1 OF 3 PAGES PROJECT: Continental Heat Treating / 12-758

CUSTOMER: Pero Environmental Engineering, Inc.
431 W. Lambert Road, Suite 305
Brea, CA 92821
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DATE SAMPLED: 11/16/12

DATE RECEIVED: 11/19/12

DATE ANALYZED 11/27/12
DATE EXTRACTED 11/27/12
LAB SAMPLE I.D. 121119-10
CLIENT SAMPLE I.D. MW6d
EXTRACTION SOLVENT HELIUM GAS/WATER
EXTRACTION METHOD EPA 5030B
DILUTION FACTOR (DF) NONE (15 MLs PURGED)

COMPOUND	CRDL	MB	RESULT
ACETONE	2.0	ND	ND
BENZENE	0.5	ND	ND
BROMOBENZENE	0.5	ND	ND
BROMOCHLOROMETHANE	0.5	ND	ND
BROMODICHLOROMETHANE	0.5	ND	ND
BROMOFORM	0.5	ND	ND
BROMOMETHANE	0.5	ND	ND
2-BUTANONE (MEK)	2.0	ND	ND
N-BUTYLBENZENE	0.5	ND	ND
SEC-BUTYLBENZENE	0.5	ND	ND
TERT BUTYLBENZENE	0.5	ND	ND
CARBON DISULFIDE	2.0	ND	ND
CARBON TETRACHLORIDE	0.5	ND	ND
CHLOROBENZENE	0.5	ND	ND
CHLOROETHANE	0.5	ND	ND
CHLOROFORM	0.5	ND	ND
CHLOROMETHANE	0.5	ND	ND
2-CHLOROTOLUENE	0.5	ND	ND
4-CHLOROTOLUENE	0.5	ND	ND
DIBROMOCHLOROMETHANE	0.5	ND	ND
1,2-DIBROMO-3-CHLOROPROPANE	0.5	ND	ND
1,2-DIBROMOETHANE	0.5	ND	ND
DIBROMOMETHANE	0.5	ND	ND
1,2-DICHLOROBENZENE	0.5	ND	ND
1,3-DICHLOROBENZENE	0.5	ND	ND
1,4-DICHLOROBENZENE	0.5	ND	ND

- CONTINUED -

Enviro - Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

METHOD: EPA 8260B MATRIX: WATER REPORTING UNIT: uG/L (PFB)
PAGE: 2 OF 3 PAGES PROJECT: Continental Heat Treating / 12-758

CUSTOMER: **Fero Environmental Engineering, Inc.**
431 W. Lambert Road, Suite 305
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Tel (714) 256-2737 Fax (714) 256-1505

DATE SAMPLED: 11/16/12DATE RECEIVED: 11/19/12

DATE ANALYZED	11/27/12		
DATE EXTRACTED	11/27/12		
LAB SAMPLE I.D.	121119-10		
CLIENT SAMPLE I.D.	MW6d		
EXTRACTION SOLVENT	HELIUM GAS/WATER		
EXTRACTION METHOD	EPA 5030B		
DILUTION FACTOR (DF)	NONE (15 MLs PURGED)		
COMPOUND	CRDL	MB	RESULT
DICHLORODIFLUOROMETHANE	0.5	ND	ND
1,1-DICHLOROETHANE	0.5	ND	12.7
CIS-1,2-DICHLOROETHENE	0.5	ND	68.2
TRANS-1,2-DICHLOROETHENE	0.5	ND	1.09
1,2-DICHLOROPROPANE	0.5	ND	ND
1,2-DICHLOROETHANE	0.5	ND	3.79
1,1-DICHLOROETHENE	0.5	ND	166
1,3-DICHLOROPROPANE	0.5	ND	ND
2,2-DICHLOROPROPANE	0.5	ND	ND
1,1-DICHLOROPROPENE	0.5	ND	ND
CIS-1,3-DICHLOROPROPENE	0.5	ND	ND
TRANS-1,3-DICHLOROPROPENE	0.5	ND	ND
ETHYLBENZENE	0.5	ND	ND
2-HEXANONE	2.0	ND	ND
HEXACHLOROBUTADIENE	0.5	ND	ND
IODOMETHANE	0.5	ND	ND
ISOPROPYLBENZENE	0.5	ND	ND
4-ISOPROPYLTOLUENE	0.5	ND	ND
4-METHYL-2-PENTANONE (MIBK)	2.0	ND	ND
METHYL tert-BUTYL ETHER	0.5	ND	ND
METHYLENE CHLORIDE	2.0	ND	ND
NAPHTHALENE	0.5	ND	ND
N-PROPYLBENZENE	0.5	ND	ND
STYRENE	0.5	ND	ND
1,1,1,2-TETRACHLOROETHANE	0.5	ND	ND

- CONTINUED -

LABORATORY REPORT

METHOD: EPA 8260B MATRIX: WATER REPORTING UNIT: ug/L (PPB)
PAGE: 3 OF 3 PAGES PROJECT: Continental Heat Treating / 12-758

CUSTOMER: Fero Environmental Engineering, Inc.
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DATE SAMPLED: 11/16/12

DATE RECEIVED: 11/19/12

DATE ANALYZED 11/27/12
DATE EXTRACTED 11/27/12
LAB SAMPLE I.D. 121119-10
CLIENT SAMPLE I.D. MW6d
EXTRACTION SOLVENT HELIUM GAS/WATER
EXTRACTION METHOD EPA 5030B
DILUTION FACTOR (DF) NONE (15 MLs PURGED)

COMPOUND	CRDL	MB	RESULT
<u>1,1,2,2-TETRACHLOROETHANE</u>	<u>0.5</u>	<u>ND</u>	<u>ND</u>
<u>TETRACHLOROETHENE (PCE)</u>	<u>0.5</u>	<u>ND</u>	<u>12.8</u>
<u>TOLUENE</u>	<u>0.5</u>	<u>ND</u>	<u>ND</u>
<u>1,2,3-TRICHLOROBENZENE</u>	<u>0.5</u>	<u>ND</u>	<u>ND</u>
<u>1,2,4-TRICHLOROBENZENE</u>	<u>0.5</u>	<u>ND</u>	<u>ND</u>
<u>1,1,1-TRICHLOROETHANE</u>	<u>0.5</u>	<u>ND</u>	<u>ND</u>
<u>1,1,2-TRICHLOROETHANE</u>	<u>0.5</u>	<u>ND</u>	<u>ND</u>
<u>TRICHLOROETHENE (TCE)</u>	<u>0.5</u>	<u>ND</u>	<u>140</u>
<u>TRICHLOROFLUOROMETHANE</u>	<u>0.5</u>	<u>ND</u>	<u>ND</u>
<u>1,2,3-TRICHLOROPROPANE</u>	<u>0.5</u>	<u>ND</u>	<u>ND</u>
<u>1,2,4-TRIMETHYLBENZENE</u>	<u>0.5</u>	<u>ND</u>	<u>ND</u>
<u>1,3,5-TRIMETHYLBENZENE</u>	<u>0.5</u>	<u>ND</u>	<u>ND</u>
<u>VINYL CHLORIDE</u>	<u>0.5</u>	<u>ND</u>	<u>ND</u>
<u>M, P-XYLENE</u>	<u>1.0</u>	<u>ND</u>	<u>ND</u>
<u>O. XYLENE</u>	<u>0.5</u>	<u>ND</u>	<u>ND</u>

ug/L = MICROGRAM PER LITER = PPB
CRDL = CONTRACT REQUIRED DETECTION LIMIT
MB = METHOD BLANK
ND = NON-DETECTED OR BELOW THE CRDL

DATA APPROVED BY: 

QA/QC REPORT

METHOD: EPA 8260B MATRIX: WATER REPORTING UNIT: ug/L (PPB)
PAGE: 1 OF 9 PAGES PROJECT: Continental Heat Treating / 12-758

CUSTOMER: Fero Environmental Engineering, Inc.
431 W. Lambert Road, Suite 305
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Tel (714) 256-2737 Fax (714) 256-1505

DATE SAMPLED: 11/16/12

DATE RECEIVED: 11/19/12

DATE ANALYZED

11/26-27/12

DATE EXTRACTED

11/26-27/12

SEE ATTACHED PAGES (8)

Enviro-Chem, Inc.

1214 E. Loxington Avenue, Pomona, CA 91766

Tel (909)590-5905

Fax (909)590-5907

8260B QA/QC Report

Date Analyzed: **11/26-27/2012**

Method: **524BW151**

Machine: **B**

Matrix: **Water**

Unit: **ug/L (PPB)**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 121008-LCS1/2

Analyte	S.R.	spk conc	MS	%RC	MSD	%RC	%RPD	ACP %RC	ACP RPD
Trichloroethene	0.00	25.0	26.3	105%	26.2	105%	0%	80-120	0-20
Toluene	0.00	25.0	28.1	113%	26.3	105%	7%	80-120	0-20
Ethylbenzene	0.00	25.0	23.8	95%	26.7	107%	11%	80-120	0-20
Cis-1,2-Dichloroethene	0.00	25.0	28.3	113%	27.4	110%	3%	80-120	0-20
Tetrachloroethene	0.00	25.0	23.4	94%	25.6	102%	9%	80-120	0-20

Lab Control Spike (LCS)

Analyte	spk conc	LCS	%RC	ACP %RC
1,1,1-TCA	25.0	24.2	97%	80-120
Tetrachloroethene	25.0	24.5	98%	80-120
Benzene	25.0	24.1	96%	80-120
Toluene	25.0	26.1	104%	80-120
Ethylbenzene	25.0	27.2	109%	80-120
Chloroform	25.0	26.5	106%	80-120

Calibration date: **11/16/2012**

Continuing Calibration Check (CCC)

Analyte	AvgRF	CCRF	%Dev	%RSD
1,1,1-TCA	0.749	0.774	3.34	10.23
Trichloroethene	0.357	0.364	1.96	12.24
Tetrachloroethene	0.998	1.001	0.50	12.75
Toluene	1.322	1.369	3.56	10.80
Chloroform	0.808	0.792	1.98	6.86
Cis-1,2-Dichloroethene	1.084	1.080	1.50	8.99

Surrogate Recovery	spk conc	ACP%	MB %RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			M-BLK	121119-1	121119-2	121119-3	121119-4	121119-5	121119-6
Dibromofluoromethane	25.0	75-125	114%	101%	144*	101%	141*	104%	133*
Toluene-d8	25.0	75-125	110%	100%	109%	101%	113%	101%	109%
4-Bromofluorobenzene	25.0	75-125	111%	93%	80%	96%	78%	97%	79%

Surrogate Recovery	spk conc	ACP%	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			121119-7	121119-8	121119-9	121119-10			
Dibromofluoromethane	25.0	75-125	100%	108%	126%	118%			
Toluene-d8	25.0	75-125	98%	101%	101%	125%			
4-Bromofluorobenzene	25.0	75-125	96%	96%	127%	99%			

Surrogate Recovery	spk conc	ACP%	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.									
Dibromofluoromethane	25.0	75-125							
Toluene-d8	25.0	75-125							
4-Bromofluorobenzene	25.0	75-125							

* = Surrogate fail due to matrix interference, LCS, MS, MSD are in control (therefore the analysis is in control).

S.R. = Sample Results

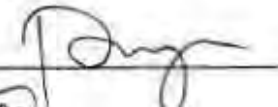
spk conc = Spike Concentration

MS = Matrix Spike

%RC = Percent Recovery

ACP %RC = Accepted Percent Recovery

MSD = Matrix Spike Duplicate

Analyzed/Reviewed By: 

Final Reviewer: 

GC Sequence #	Standard Name:	Solvent	Stock Standard	Calculation STD V X STD Conc. = Final Conc. Total Volume	Ref. / Page	Prep. Date	Exp. Date	Initial
2655	Ethylene Glycol US	Name: H_2O Source: Fisher Cat #: D37-4 Lot #: 116832 Exp. Date:	Name: Ethylene Glycol Source: Aldrich Cat #: 324558-100mL Lot #: 28496 TMV Exp. Date:	$10 \mu L \times 99.8\% = 200 \text{ ppm}$ 60mL		7/18/12	7/17/13	SW
2656	8x100B Gas	Name: MeOH Source: Fisher Cat #: A453-1 Lot #: 110412 Exp. Date:	Name: Gas std Source: Ultra Cat #: DMM-544 Lot #: CG-1486 Exp. Date: 9/30/2014	$12.5 \mu L \times 2000 \text{ ppm} = 50.0 \text{ ppm}$ 0.50mL		7/30/12	7/30/12	PW
2657	8x100B Gas	Name: MeOH Source: Fisher Cat #: A453-1 Lot #: 110412 Exp. Date:	Name: Gas std Source: Ultra Cat #: DMM-544 Lot #: CG-1486 Exp. Date: 9/30/2014	$12.5 \mu L \times 2000 \text{ ppm} = 50.0 \text{ ppm}$ 0.50mL		7/30/12	8/6/12	PW
2658	8x100B 15/surr	Name: MeOH Source: Fisher Cat #: A453-1 Lot #: 110412 Exp. Date:	Name: Source: Cat #: Lot #: Exp. Date:	Check Detail in logbook x A3-p63		7/30/12	11/30/12	PW
2659	8x100 Tune standard	Name: MeOH Source: Fisher Cat #: A453-1 Lot #: 110412 Exp. Date:	Name: 1-bromo-4-fluorobenzene (BFB) Source: Aldrich Cat #: B67201-100G Lot #: 12515B0 Exp. Date: 99%	$1.010g \times 99\% = 10.000 \text{ ppm}$ 100.0mL		8/7/12	8/1/13	PW
2660	8x100 Tune std. 5ppm	Name: MeOH Source: Fisher Cat #: A453-1 Lot #: 110412 Exp. Date:	Name: GC-2659 Source: Cat #: Lot #: Exp. Date:	$5 \mu L \times 10,000 \text{ ppm} = 5 \text{ ppm}$ 10mL		8/7/12	8/1/13	PW
2661	8x100 Tune std 5000ppm	Name: MeOH Source: Fisher Cat #: A453-1 Lot #: 110412 Exp. Date:	Name: GC-2659 Source: Cat #: Lot #: Exp. Date:	$50 \mu L \times 10,000 \text{ ppm} = 50 \text{ ppm}$ 10mL		8/7/12	8/1/13	PW (U)

GC Sequence #	Standard Name:	Solvent	Stock Standard	Calculation STD V X STD Conc. = Final Conc. Total Volume	Ref./ Page	Prep. Date	Exp. Date	Initial
2676	8200B Gas	Name: MeOH Source: Fisher Cat #: AUCS-1 Lot #: 113540 Exp. Date: /	Name: Gas Std Source: Ultra Cat #: DUM-544 Lot #: CG-1486 Exp. Date: 9/30/14	$\frac{(2.5 \mu\text{L} \times 2000 \text{ ppm})}{0.50 \text{ mL}} = 50.0 \text{ ppm}$		9/27/12	9/24/12	PW
2677	8200B Gas	Name: MeOH Source: Fisher Cat #: AUCS-1 Lot #: 113540 Exp. Date: /	Name: Gas Std Source: Ultra Cat #: DUM-544 Lot #: CG-1486 Exp. Date: 9/30/14	$\frac{(2.5 \mu\text{L} \times 2000 \text{ ppm})}{0.50 \text{ mL}} = 50.0 \text{ ppm}$		9/24/12	9/11/12	PW
2678	8200B Isosur	Name: MeOH Source: Fisher Cat #: AUCS-1 Lot #: 113540 Exp. Date: /	Name: Source: Cat #: Lot #: Exp. Date:	Check Detail in logbook X = 83-P69		9/28/12	1/23/12	PW
2679	8200B CCV	Name: MeOH Source: Fisher Cat #: AUCS-1 Lot #: 113540 Exp. Date: /	Name: Source: Cat #: Lot #: Exp. Date:	Check Detail in logbook X = 83-P70		9/28/12	4/8/13	PW
2680	8200B LCS	Name: MeOH Source: Fisher Cat #: AUCS-1 Lot #: 113540 Exp. Date: /	Name: Source: Cat #: Lot #: Exp. Date:	Check Detail in logbook X = 83-P71		9/28/12	4/8/13	PW
2681	8200B Gas	Name: MeOH Source: Fisher Cat #: AUCS-1 Lot #: 113540 Exp. Date: /	Name: Gas Std Source: Ultra Cat #: DUM-544 Lot #: CG-1486 Exp. Date: 9/30/14	$\frac{(2.5 \mu\text{L} \times 2000 \text{ ppm})}{0.50 \text{ mL}} = 50.0 \text{ ppm}$		10/1/12	10/8/12	PW
2682	PCB CCV	Name: Hexane Source: Fisher Cat #: H307-4 Lot #: 120172 Exp. Date: /	Name: Source: GC2573 Cat #: Lot #: Exp. Date: 1/19/15	$\frac{0.5 \text{ mL} \times 10 \text{ ppm}}{50 \text{ mL}} = 0.5 \text{ ppm}$		10/5/12	1/19/13	PW (W)

GC Sequence #	Standard Name:	Solvent	Stock Standard	Calculation $\frac{STD \text{ V} \times STD \text{ Conc.}}{\text{Total Volume}} = \text{Final Conc.}$	Ref./ Page	Prep. Date	Exp. Date	Initial
2690	8260B Gas	Name: MeOH Source: Fisher Cat #: A453-1 Lot #: 113540 Exp. Date: /	Name: Gas Std Source: Ultra Cat #: DWM-SUP Lot #: CA-1486 Exp. Date: 9/30/14	$\frac{12.5 \text{ mL} \times 2800 \text{ ppm}}{0.50 \text{ mL}} = 50.0 \text{ ppm}$		11/5/12	11/12/12	PW
2691	8141 25455	Name: Hexane Source: Fisher Cat #: H307-4 Lot #: 120172 Exp. Date: /	Name: Source: check logbook Cat #: A3 page 75 Lot #: Exp. Date: /	$\frac{x}{\phantom{0.50 \text{ mL}}} =$	A3/75	11/7/12	11/7/13	YW
2692	8260B Gas	Name: MeOH Source: Fisher Cat #: A453-1 Lot #: 113540 Exp. Date: /	Name: Gas Std Source: Ultra Cat #: DWM-SUP Lot #: CA-1486 Exp. Date: 9/30/14	$\frac{12.5 \text{ mL} \times 2800 \text{ ppm}}{0.50 \text{ mL}} = 50.0 \text{ ppm}$		11/12/12	11/19/12	PW
2693	8260B 154544	Name: MeOH Source: Fisher Cat #: A453-1 Lot #: 113540 Exp. Date: /	Name: Source: Cat #: Lot #: Exp. Date: /	Check details in logbook $\frac{x}{\phantom{0.50 \text{ mL}}} =$ A3 P76		11/12/12	11/13/13	PW
2694	8082 CEN	Name: Hexane Source: Fisher Cat #: H307-4 Lot #: 120172 Exp. Date: /	Name: SUB2 Calib MIX Source: ULTRA Cat #: ppm-8082 Lot #: CG-3400 Exp. Date: 10/31/2014	$\frac{1000 \text{ ppm} \times 0.5 \text{ mL}}{10 \text{ mL}} = 50 \text{ ppm}$		11/14/12	11/14/13	YW
2695	Diesel CEN	Name: C52 Source: Fisher Cat #: C573-500 Lot #: 120074 Exp. Date: /	Name: Diesel STD Source: Retek Cat #: 71258 Lot #: A08289 Exp. Date: 07/20/18	$\frac{50,000 \text{ ppm} \times 0.2 \text{ mL}}{5 \text{ mL}} = 2000 \text{ ppm}$		11/14/12	11/14/13	YW
2696	PCB CEN	Name: Hexane Source: Fisher Cat #: H307-4 Lot #: 120172 Exp. Date: /	Name: Source: GC 2694 Cat #: Lot #: Exp. Date: 11/14/13	$\frac{50 \text{ ppm} \times 0.5 \text{ mL}}{50 \text{ mL}} = 0.5 \text{ ppm}$		11/16/12	11/16/13	YW

GC Sequence #	Standard Name:	Solvent	Stock Standard	Calculation STD V X STD Conc. = Final Conc. Total Volume	Ref./ Page	Prep. Date	Exp. Date	Initial
2697	8081 Total Chlorodane	Name: Hexane Source: Fisher Cat #: H307-4 Lot #: 120172 Exp. Date:	Name: Chlorodane Source: ULTRA Cat #: JP-151 Lot #: CH-0599 Exp. Date: 03/31/2015	$\frac{100 \mu\text{L} \times 100 \text{ ppm}}{50 \text{ mL}} = 0.2 \text{ ppm}$		11/19/12	11/19/13	YW
2698	8081 Toxaphene	Name: Hexane Source: Fisher Cat #: H307-4 Lot #: 120172 Exp. Date:	Name: Toxaphene Source: Accu Standard Cat #: P-0935-H-10X Lot #: 210051215 Exp. Date: 05/21/2020	$\frac{100 \mu\text{L} \times 1000 \text{ ppm}}{50 \text{ mL}} = 2.0 \text{ ppm}$		11/19/12	11/19/13	YW
2700 2699	JP-8 Gasoline CCV	Name: CS2 Source: Fisher Cat #: C573-500 Lot #: 120674 Exp. Date:	Name: JP-8 Gasoline Source: Accu Standard Cat #: FLU15-D-40X Lot #: BS120089 Exp. Date: 12/7/2015	$\frac{20,000 \text{ ppm} \times 100 \mu\text{L}}{1 \text{ mL}} = 2000 \text{ ppm}$		11/19/12	11/19/13	YW
2700	Jet A CCV	Name: CS2 Source: Fisher Cat #: C573-500 Lot #: 120674 Exp. Date:	Name: Jet A ULTRA Source: Jet A fuel standard Cat #: 3242 R60-672 Lot #: A-05773 K-0572X Exp. Date: 05/21/2020	$\frac{400 \mu\text{L} \times 5000 \text{ ppm}}{10 \text{ mL}} = 2000 \text{ ppm}$		11/20/12	11/20/13	YW
2701	8081 2stss	Name: Hexane Source: Fisher Cat #: H307-4 Lot #: 120172 Exp. Date:	Name: Diesel Fuel Source: check book Cat #: A3 Lot #: A3 77/100 Exp. Date:	$\frac{\text{X}}{\text{X}} = 200 \text{ ppm}$	A3 77/100	11/27/12	11/27/13	YW
2702	8081 fias	Name: MeOH Source: Fisher Cat #: BWS-1 Lot #: 113540 Exp. Date:	Name: fias cell Source: Ultra Cat #: BWM-544 Lot #: CH-1486 Exp. Date: 9/30/14	$\frac{12.5 \mu\text{L} \times 2000 \text{ ppm}}{0.50 \text{ mL}} = 50.0 \text{ ppm}$		11/26/12	12/3/12	PW
		Name: Source: Cat #: Lot #: Exp. Date:	Name: Source: Cat #: Lot #: Exp. Date:	$\frac{\text{X}}{\text{X}} =$				

Standard Name: 8260B CAVAnalyst: PWGC #: 2679Preparation Date: 9/28/2012Expiration Date: 4/8/2013

Compound Name	Source	Catalog #	Lot #	Exp date	Calculation STD V x STD Conc = Final Conc Total Volume	Initial
Acrolein	GC-2608			4/8/13	$\frac{250 \mu\text{L} \times 2000 \text{ ppm}}{10.0 \text{ mL}} = 50.0 \text{ ppm}$	PW
VOC Mixture	Ultra Scientific	DWM-589N-1	CH-3339	11/30/14	$\frac{250 \mu\text{L} \times 2000 \text{ ppm}}{10.0 \text{ mL}} = 50.0 \text{ ppm}$	PW
VOC Mixture	..	DWM-592-1	CG-2384	8/31/13	$\frac{250 \mu\text{L} \times 2000 \text{ ppm}}{10.0 \text{ mL}} = 50.0 \text{ ppm}$	PW
					$\text{X} =$	
					$\text{X} =$	
					$\text{X} =$	
					$\text{X} =$	
					$\text{X} =$	
					$\text{X} =$	
					$\text{X} =$	
					$\text{X} =$	
					$\text{X} =$	

Total Standard Volume: 0.75 mLAdded Solvent Volume: 9.25 mLFinal Volume: 10.0 mL



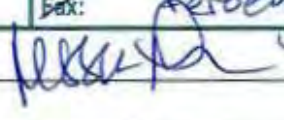
Standard Name: 8760B 13/SmrAnalyst: PwGC #: 2693Preparation Date: 11/12/2012Expiration Date: 11/30/13

Compound Name	Source	Catalog #	Lot #	Exp date	Calculation STD V x STD Conc = Final Conc Total Volume	Initial
Internal standard	ultra scientific	STM-341N-1	CF-2990A	11/30/13	$250\mu\text{L} \times 200\text{ppm} = 50.0\text{ppm}$ $50 \times 2\text{mL}$	Pw
Surrogate Std. Mix	ultra scientific	STM-330N-1	CH-6721	4/30/14	$250\mu\text{L} \times 200\text{ppm} = 50.0\text{ppm}$ 10.0mL	Pw
					X =	
					X =	
					X =	
					X =	
					X =	
					X =	
					X =	
					X =	
					X =	
					X =	

Total Standard Volume: 0.50mLAdded Solvent Volume: 9.50mLFinal Volume: 10.0mL

CA-DHS ELAP CERTIFICATE #1555

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

SAMPLE ID	LAB ID	SAMPLING DATE	TIME	MATRI	No. OF	TEMP	PRES	Analysis Required										COMMENTS
MW1	121119-1	11/16/12		H ₂ O	2	X/100%	HLL	X										
MW2	- 2							X										
MW3	- 3							X										
MW4	- 4							X										
MW5s	- 5							X										
MW5m	- 6							X										
MW5d	- 7							X										
MW6s	- 8							X										
MW6m	- 9							X										
MW6d	- 10							X										
Company Name: Fero Eng.				Project Contact: John Peterson				Sampler's Signature: 										
Address: 431 W. Lambert #305				Tel: 714 256 2737				Project Name/ID: Continental Heat Treating / 17-758										
City/State/Zip: Brea CA 92821				Fax: feroeng@aol.com														
Relinquished by: 				Received by: 				Date & Time: 11/16/12 0845				Instructions for Sample Storage After Analysis:						
Relinquished by:				Received by:				Date & Time:				<input type="radio"/> Dispose of <input type="radio"/> Return to Client <input type="radio"/> Store (30 Days)						
Relinquished by:				Received by:				Date & Time:				<input type="radio"/> Other:						

CHAIN OF CUSTODY RECORD